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OIL & GAS

Annual
Review
1984

Volume 28

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DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
OF THE STATE OF MONTANA

Oil and Gas Conservation Division

Ted Schwinden, Governor



ANNUAL REVIEW FOR THE YEAR 1984
Relating to
OIL AND GAS
Volume 28

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Annual Review for the Year 1984 Volume 28

ACTIVITY REVIEW—MONTANA 1984

Drilling activity has substantially increased over 1983. Two hundred oil companies were active in Montana in 1984, drilling in 42 of the 56 counties. Continued interest in Montana's oil and gas reserves was also reflected by the extensive use of the Board's well sample and well data library throughout the year and by the 38 geophysical companies that operated seismic crews in selected areas of the state.

The research of subsurface data accumulated from seismic activity and drilling continued to upgrade exploratory prospects; particularly along Western Montana's Overthrust Belt where the preparation and process to drill several well defined structural traps are in progress. The potential offered by this major structural trend could triple Montana's oil and/or gas reserves.

A total of 781 wells were drilled for oil and gas in 1984. This is an appreciable increase of 258 wells over 1983's 12-year low. Of the 253 wildcats drilled, 33 resulted as oil and 21 as gas completions. The 528 development wells included 327 oil and 99 gas producers.

Oil production slightly increased this year to 30.1 million barrels as compared to 29.7 million barrels for 1983, and natural gas production at nearly 53 billion cubic feet was up by 600 MMCF.

The Board of Oil & Gas Conservation issued 120 Board Orders in 1984. Most pertained to the establishment of field delineations and spacing rules, exceptions to spacing and drilling rules, pooling of interests, and the approval of secondary and tertiary recovery projects.

A total of 226 applications to qualify for maximum lawful price as prescribed by the Natural Gas Policy Act of 1978 were received and processed during 1984. Total applications by category included: 81 for new onshore production well (Category 103); 45 for new onshore well—2.5 mile test (Category 102-2); 39 for new onshore reservoir (Category 102-4); and, 59 for stripper well (Category 108).

1984
SUMMARY OF YEAR ACTIVITIES

OIL

	BBLs	BBLs OF OIL PER DAY
Oil Produced	30,079,819	82,185
Oil Imported From:		
Canada	14,516,432	
North Dakota	55,119	
Wyoming	<u>20,552,121</u>	
Total	35,123,672	95,966
Oil Exported	22,000,000	60,100

GAS

	GAS	MCF/DAY
Gas Withdrawals:		
Natural	41,773,549	
* Associated	<u>11,207,833</u>	
Total	52,981,382	145,154
Gas Imported From:		
Canada	6,599,904	
Dakotas	30,418,160	
Wyoming	<u>11,221,640</u>	
Total	48,239,704	132,164
Gas Exported To:		
Canada	126,609	
Dakotas	6,107,796	
Wyoming	11,731,242	
Midwest	<u>13,235,777</u>	
Total	31,201,424	85,483

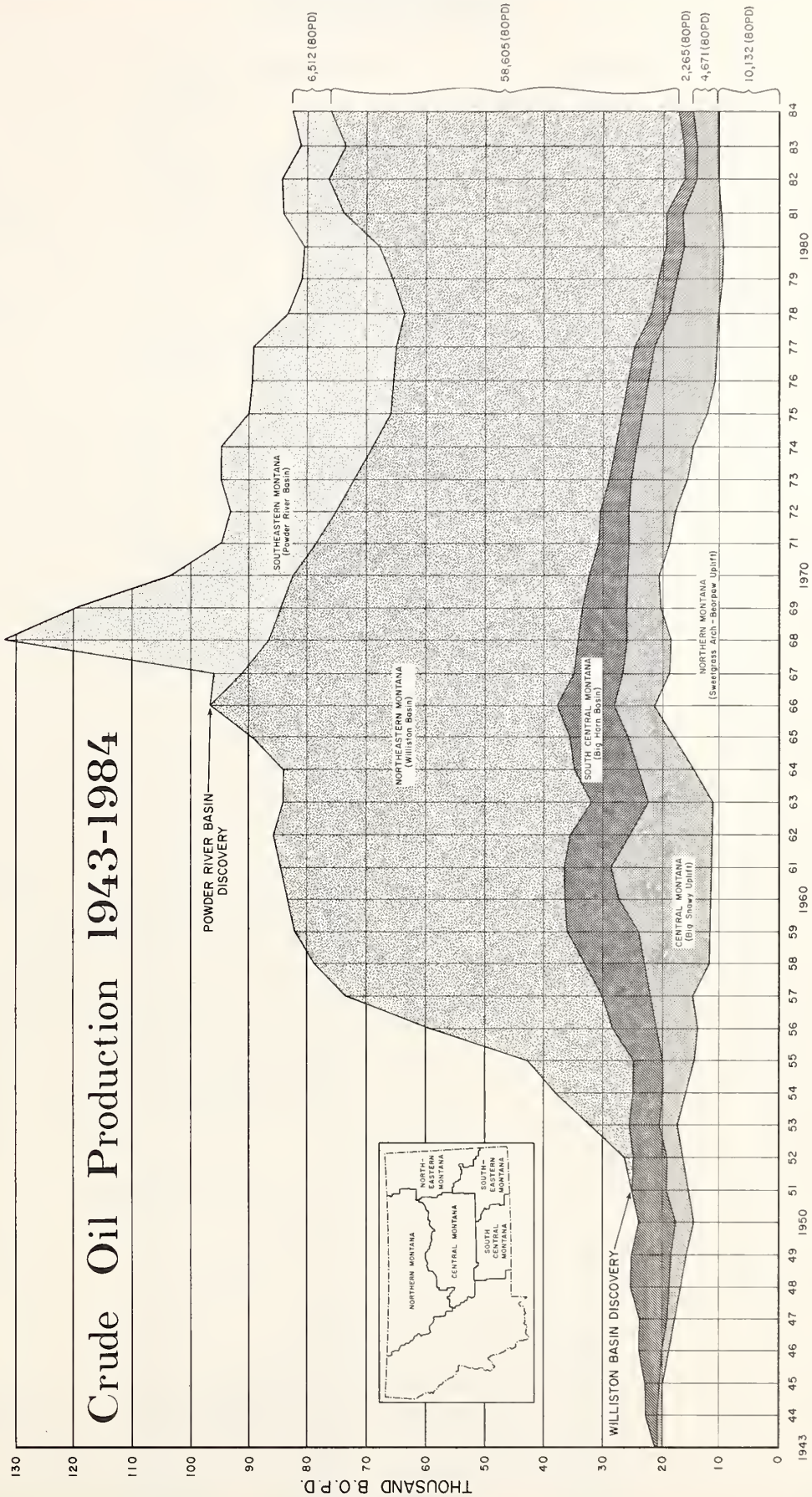
FIVE YEAR SUMMARY

	1980	1981	1982	1983	1984
PRODUCTION IN BARRELS:					
Northern Montana	3,516,807	3,605,207	3,680,043	3,682,130	3,708,185
South Central	1,055,105	910,595	806,366	790,150	829,090
Central	2,612,091	2,583,690	1,496,895	1,467,855	1,709,653
Williston Basin	17,739,142	19,954,159	21,934,760	20,877,527	21,449,415
Powder River Basin	4,660,659	3,759,760	2,999,247	2,847,618	2,383,476
TOTAL	29,583,804	30,813,411	30,917,311	29,665,280	30,079,819
NUMBER OF PRODUCING WELLS:					
Northern Montana	2,212	2,280	2,455	2,693	2,610
South Central	124	132	138	150	144
Central	358	354	249	287	294
Williston Basin	996	1,080	1,360	1,446	1,577
Powder River Basin	148	174	212	222	214
TOTAL	3,838	4,020	4,414	4,798	4,839
AVERAGE DAILY PRODUCTION/WELL:					
Northern Montana	4.3	4.3	4.1	3.7	3.9
South Central	23.2	18.9	16.0	14.4	15.8
Central	19.9	20.0	16.5	14.0	15.9
Williston Basin	48.7	50.6	44.2	39.6	37.9
Powder River Basin	86.0	59.2	38.8	35.1	30.4
STATE AVG.	21.1	21.0	19.2	16.9	17.0
DEVELOPMENT WELLS DRILLED:					
Oil Wells	241	276	263	160	327
Gas Wells	203	133	145	55	99
Dry Holes	206	188	120	88	87
Service Wells			19	10	20
TOTAL	650	597	547	313	533
EXPLORATORY WELLS DRILLED:					
Oil Wells	30	126	64	25	33
Gas Wells	12	85	46	16	21
Dry Holes	260	341	248	156	189
Temporary Abandoned				23	25
TOTAL	302	552	358	220	268
TOTAL WELLS DRILLED	952	1,149	905	533	801
TOTAL FOOTAGE DRILLED	4,032,032	5,797,770	4,342,410	2,529,666	3,831,730
AVERAGE FOOTAGE DRILLED	4,235	5,046	4,798	4,746	4,783

STATE OF MONTANA SUMMARY OF DRILLING BY COUNTIES — 1984

County	Development			Wildcat		Service	Temp. Aband.	Total Wells	Footage Drilled	Average Depth
	Oil	Gas	Dry	Oil	Gas					
Big Horn	1		1					4	33,014	8,253
Blaine		15	14	1				33	57,946	1,755
Carbon					1			4	3,904	976
Carter		1					1	6	25,042	4,173
Cascade								5	4,917	983
Chouteau		2		1	2			10	26,405	2,640
Custer								1	7,900	7,900
Daniels								6	50,666	8,444
Dawson	3		2				1	9	99,167	11,018
Deer Lodge								1	11,774	11,774
Fallon	48	7	1		1	1		60	481,025	8,017
Fergus		2						5	9,559	1,911
Flathead								1	17,774	17,774
Garfield	2		1	2				14	69,034	4,931
Glacier	13	4	2	3		13	2	40	143,172	3,579
Golden Valley			1					1	2,547	2,547
Granite								1	6,297	6,297
Hill		15	2		3			32	52,946	1,654
Lewis & Clark								4	32,481	8,120
Liberty	1	2	2		2			9	21,735	2,415
McCone	2							9	73,494	8,166
Madison								1	8,585	8,585
Musselshell	6		5	1			1	19	66,870	3,519
Park								1	5,683	5,683
Petroleum	1							4	18,526	4,631
Phillips		27	1					29	42,652	1,470
Pondera	9	1	2		1			19	41,945	2,207
Powder River	3		2					13	77,879	5,990
Powell								2	16,733	8,366
Richland	18		7	4		1		39	454,284	11,648
Roosevelt	23		9	2		1	2	54	465,151	8,613
Rosebud	4		5	1				19	103,838	5,465
Sheridan	13		4	9		2		35	350,717	10,020
Stillwater		1			2			6	15,063	2,510
Sweetgrass								5	20,157	4,031
Teton	5			1	1		2	12	32,498	2,708
Toole	134	21	21	4	7			199	330,653	1,661
Treasure								3	18,792	6,264
Valley	32	1	5	1			10	61	374,968	6,147
Wheatland								4	22,054	5,513
Wibaux	3			1		2		8	79,076	9,884
Yellowstone	6			2	1		1	13	54,806	4,215
		227	80	87	33	20	25	801	3,831,730	4,783

Crude Oil Production 1943-1984



GAS PRODUCTION DATA — 1984
14.73 PSIA @ 60°F

Field	County	Producing Formation	1984 Marketed MCF
Natural Gas			
Alma	Liberty	Bow Island	6,727
Amanda	Toole	Swift, Bow Island, Sunburst	310,665
Antelope Coulee	Toole	Blackleaf	16,878
Arch Apex	Toole	Bow Island, Sunburst, Swift	218,584
Badlands	Hill	Eagle	621,859
Battle Creek	Blaine	Eagle	2,558,088
Bears Den	Liberty	Madison, Bow Island, Swift	39,162
Bell Creek, Southeast	Powder River	Muddy	87,193
Big Coulee	Golden Valley, Stillwater	Lakota, Morrison, Cat Creek 3	326,969
Big Rock	Glacier	Blackleaf, Bow Island, Madison	655,117
Bills Coulee	Teton	Sunburst, Moulton, Kootenai, Dakota	142,127
Black Butte	Hill	Eagle	313,410
Black Coulee	Blaine	Eagle	143,858
Blackfoot	Glacier	Dakota, Sunburst	184,406
Blackjack	Liberty	Second White Specks, Sunburst, Blackleaf, Bow Island	148,339
Blackleaf Canyon	Teton	Sun River	1,853,353
Border	Toole	Sunburst	3,159
Bowdoin and Area	Phillips, Valley	Bowdoin, Phillips, Carlile-Greenhorn	3,934,603
Bowes	Blaine	Eagle	422,022
Bradley	Glacier	Dakota	8,865
Browns Coulee	Hill	Eagle	16,134
Browns Coulee, East	Hill	Eagle, Judith River	54,223
Buffalo Flats	Chouteau	Bow Island, Roberts	109,744
Bullwacker and Area	Blaine, Chouteau	Eagle	796,827
Camp Creek	Chouteau	Eagle	14,055
Canadian Coulee and Area	Hill	Sawtooth	1,178
Canadian Coulee, North	Hill, Liberty	Sawtooth	82,526
Cedar Creek	Fallon	Judith River, Eagle	164,260
Chain Lakes	Hill	Eagle	11,351
Charlie Creek, North	Richland	Red River	81,894
Chinook, East	Blaine	Eagle	11,934
Chip Creek	Chouteau	Eagle	13,057
Clarks Fork, South	Carbon	Greybull	24,060
Coal Coulee	Hill	Eagle	49,202
Cut Bank	Glacier, Toole	Cut Bank, Blackleaf, Moulton, Sunburst Bow Island	2,547,680
Dean Dome	Stillwater	Greybull	915
Devon, South	Toole	Bow Island	19,444
Dry Creek	Carbon	Virgelle, Frontier, Judith River, Greybull	661,707
Dry Creek, Middle	Carbon	Frontier	17,079
Dunkirk	Toole	Dakota, Bow Island	212,331
Dunkirk, North	Toole	Bow Island, Sunburst, Dakota, Kootenai	319,492
Eagle Springs	Toole	Bow Island, Sunburst, Swift	39,417
Ethridge Area	Toole	Swift	83,031
Ethridge, North	Toole	Swift	8,603
Fitzpatrick Lake	Toole	Bow Island	141,889
Flat Coulee	Liberty	Sawtooth, Bow Island, Dakota, Swift, Blackleaf	88,087
Fort Conrad	Toole, Pondera	Bow Island	290,737
Fred and George Creek	Toole	Sunburst, Bow Island	35,758
Fresno and Area	Hill	Eagle	49,164
Galata	Toole	Bow Island	91,097
Gilford, North	Hill	Sawtooth	25,302
Gold Butte	Toole	Bow Island	1,883
Golden Dome	Carbon	Greybull, Frontier	88,267
Grandview	Liberty	Bow Island, Sawtooth	43,098
Gypsy Basin	Pondera	Sunburst, Madison, Sawtooth, Swift, Moulton	34,362
Hammond	Carter	Muddy	53,811
Hardin	Big Horn	Frontier	18,054
Hardpan and Area	Pondera, Chouteau	Bow Island	230,038
Havre	Hill, Blaine	Eagle	334,727
Haystack Butte	Liberty	Bow Island	14,729
Highview	Pondera, Teton	Madison	693

GAS PRODUCTION DATA – 1984 (CONTINUED)
14.73 PSIA @ 60°F

**1984
Marketed
MCF**

Field	County	Producing Formation	
Keith, East	Liberty	Second White Specks, Sawtooth, Bow Island	714,515
Keith Area	Liberty	Second White Specks, Sawtooth, Bow Island	41,958
Kevin-Sunburst	Toole	Dakota, Eagle, Madison, Swift, Nisku, Bow Island, Sunburst, Kootenai	754,006
Kevin-Sunburst Nisku	Toole	Swift	55,932
Kevin, Southwest	Toole	Bow Island, Sunburst, Swift	301,404
Kicking Horse	Toole	Bow Island, Sunburst, Sawtooth	70,898
Kinyon Coulee	Toole	Bow Island	19,634
Kinyon Coulee, South	Toole	Bow Island	1,816
Kippen Area, East	Toole	Swift, Madison, Sawtooth	8,965
Lake Basin	Stillwater	Claggett, Eagle-Virgelle, Telegraph Creek, Frontier, Eagle	256,566
Lake Basin, North	Stillwater	Eagle	8,113
Ledger	Pondera	Bow Island	401,639
Leroy	Blaine	Eagle	754,664
Liscom Creek	Custer	Shannon	89,346
Little Creek Area	Chouteau	Eagle-Virgelle	49,328
Little Rock	Glacier	Bow Island, Blackleaf	54,478
Lohman and Area	Blaine	Eagle	279,747
Loring, East	Phillips	Phillips, Bowdoin, Carlile-Greenhorn	1,853,569
Marias River	Toole, Pondera	Bow Island	107,684
Middle Butte	Toole, Liberty	Bow Island, Dakota, Second White Specks	50,965
Miners Coulee	Toole	Sunburst, Bow Island, Sawtooth	161,990
Mount Lily	Liberty	Madison, Swift, Bow Island	31,642
O'Briens Coulee	Liberty	Bow Island, Second White Specks, Blackleaf, Greenhorn	252,923
Old Shelby	Toole	Bow Island, Sunburst, Swift	222,717
Phantom	Toole	Sunburst	45,543
Phantom, West	Toole	Sunburst	68,591
Police Coulee	Toole	Bow Island	18,095
Prairie Dell	Toole	Bow Island, Swift, Dakota, Sunburst	903,572
Prairie Dell, West	Toole	Sunburst	16,775
Rapelje	Stillwater	Eagle, Eagle-Virgelle, Claggett	89,470
Rattlesnake Coulee	Toole	Bow Island, Sunburst	7,524
Red Rock Area	Hill	Eagle, Judith River	146,701
Rocky Boy	Hill	Eagle	44,376
Rudyard	Hill	Sawtooth, Eagle	315,157
Sage Creek	Liberty	Blackleaf, Second White Specks, Bow Island	144,399
Sandwich	Liberty	Swift	2,024
Sawtooth Mountain	Blaine	Judith River, Eagle	556,389
Shelby	Toole	Sunburst	93,955
Sherard and Area	Blaine, Chouteau	Eagle	600,308
Snoose Coulee	Liberty	Bow Island	31,385
Soberup Coulee	Pondera	Bow Island	1,993
Spring Coulee	Hill	Sawtooth	323,892
Strawberry Creek	Toole	Bow Island	189
Swanson Creek	Phillips, Valley	Phillips, Bow Island, Greenhorn	824,637
Sweetgrass	Toole	Sunburst	1,189
Three Mile	Blaine	Eagle	294,244
Tiber and Area	Toole	Bow Island	269,154
Tiger Ridge and Area	Blaine, Hill	Eagle	10,286,199
Tiger Ridge, North	Blaine	Eagle	3,436
Trail Creek	Liberty, Toole	Bow Island, Sunburst, Swift	149,704
Two Forks	Blaine	Judith River, Eagle	578
Utopia	Liberty	Sawtooth, Bow Island, Swift	101,956
Vandalia	Valley	Carlile-Greenhorn, Bowdoin, Phillips	86,244
West Butte	Toole	Bow Island, Sunburst, Swift	39,500
West Butte Shallow Gas	Toole	Bow Island, Dakota	29,201
Whitewater, East	Phillips	Bowdoin, Phillips, Greenhorn	20,553
Whitlash	Liberty	Dakota, Swift, Bow Island	298,133
Whitelash, West	Toole	Sunburst, Bow Island, Swift	31,544
Williams	Pondera	Bow Island	240,129
Willow Ridge	Toole	Bow Island, Swift, Dakota, Duperow, Sunburst	265,087

SUBTOTAL NATURAL GAS

41,773,549

ASSOCIATED PRODUCED GAS PRODUCTION DATA — 1984

Field	County	Producing Formation	1984 Produced MCF
Associated Gas			
Alkali Coulee	Sheridan	Red River	4,222
Anvil	Roosevelt	Nisku, Ratcliffe, Red River	275,403
Autumn	Valley	Mission Canyon	1,878
Bainville	Roosevelt	Red River, Gunton, Interlake	18,884
Bainville, North	Roosevelt	Ratcliffe, Red River, Winnipegosis	93,234
Bainville, West	Roosevelt	Red River, Madison	14,510
Bainville II	Roosevelt	Red River	26,657
Belfry	Carbon	Kootenai	5,283
Bell Creek	Carter, Powder River	Muddy	2,340
Benrud Area	Roosevelt	Nisku, Madison	16,852
Benrud, East	Roosevelt	Nisku	10,997
Benrud, Northeast	Roosevelt	Nisku	1,299
Big Muddy Creek	Roosevelt	Madison, Mission Canyon, Red River, Ratcliffe	30,394
Big Wall	Musselshell	Amsden, Tyler	219
Bloomfield	Dawson	Interlake, Siluro-Ord, Dawson Bay, Red River	56,097
Blue Hill	Richland	Red River	7,200
Blue Mountain	Wibaux	Red River	15,752
Boulder	Richland	Red River	220
Box Canyon	Richland	Red River	10,789
Breed Creek	Rosebud	Tyler	1,203
Brorson	Richland	Mission Canyon, Madison, Red River, Bakken, Ratcliffe	68,910
Brorson, South	Richland	Red River, Ratcliffe, Mission Canyon	71,240
Brush Lake	Sheridan	Red River	62,324
Buffalo Flat	Chouteau	Duperow	219
Buffalo Lake	Glacier	Sawtooth	126
Burget, East	Roosevelt	Midale, Mission Canyon	3,206
Burns Creek	Dawson, Richland	Duperow, Red River	5,476
Cabin Creek	Fallon	Madison, Siluro-Ord, Red River	523,018
Canal	Richland	Madison, Red River	92,795
Cannon Ball	Fallon	Red River	4,004
Carlyle	Wibaux	Siluro-Ord	9,558
Charlie Creek	Richland	Nisku, Duperow	6,391
Charlie Creek Area	Richland	Red River	2,675
Charlie Creek, East	Richland	Red River	19,933
Charlie Creek, North	Richland	Bakken, Madison, Red River	4,521
Clear Lake	Sheridan	Madison, Nisku, Red River, Ratcliffe	101,839
Clear Lake, South	Sheridan	Red River	9,819
Colored Canyon	Sheridan	Red River	51,478
Comertown	Sheridan	Nisku, Ratcliffe, Red River, Duperow	96,774
Corner Pocket	Richland	Red River	1,710
Cottonwood	Richland	Red River	13,722
Crane	Richland	Devonian, Siluro-Ord	131,567
Culbertson	Roosevelt	Red River	81
Cupton	Fallon	Red River	19,048
Cupton Area	Fallon	Red River	3,084
Cut Bank	Pondera, Glacier, Toole	Madison, Moulton	100,181
Dagmar	Sheridan	Red River	39,408
Dagmar, North	Sheridan	Red River, Madison	10,171
Deer Creek	Dawson	Interlake	1,956
Diamond Point	Roosevelt	Red River	66,286
Divide	Sheridan	Madison	80,397
Dry Creek	Carbon	Greybull, Virgelle, Frontier	107,434
Dugout Creek	Richland	Red River	2,100
Dwyer	Sheridan	Charles, Ratcliffe, Red River, Interlake	203,419
Eagle	Richland	Mission Canyon, Madison, Red River, Duperow	90,238
Elk Basin	Carbon	Madison	437,158
Enid, North	Richland	Red River, Bakken	36,236
Fairview	Richland	Mission Canyon, Interlake, Madison, Red River, Ratcliffe	468,385

ASSOCIATED PRODUCED GAS PRODUCTION DATA – 1984 (CONTINUED)

Field	County	Producing Formation	1984 Produced MCF
Fairview, East	Richland	Red River	72,032
Fairview, West	Richland	Ratcliffe, Madison	11,116
Fertile Prairie	Fallon	Red River	12,079
Fishhook	Sheridan	Red River	107,424
Flat Coulee (Swift SU)	Liberty	Swift	7,684
Flat Lake	Sheridan	Nisku, Ratcliffe, Madison	124,484
Flat Lake, South	Sheridan	Ratcliffe	1,921
Flaxville	Daniels	Mission Canyon	15,588
Fort Gilbert	Richland	Madison, Red River, Mission Canyon	66,055
Four Mile Creek	Richland	Red River	16,649
Four Mile Creek, West	Richland	Red River	4,705
Fox Creek	Richland	Stonewall, Red River	9,168
Fox Creek, North	Richland	Madison	556
Frannie	Carbon	Tensleep	93
Frog Coulee	Richland	Red River	2,079
Froid, South	Roosevelt	Red River	4,296
Gas City	Dawson	Red River, Madison, Siluro-Ord	9,787
Glendive	Dawson	Siluro-Ord, Stoney Mountain, Madison, Red River, Interlake	22,112
Glendive, South	Dawson	Red River	2,236
Golden Dome	Carbon	Greybull, Frontier	97,592
Goose Lake	Sheridan	Ratcliffe, Red River	64,990
Goose Lake, West	Sheridan	Red River	24,752
Gossett	Richland	Mission Canyon, Stoney Mountain, Red River	16,730
Gumbo Ridge	Rosebud	Tyler	1,458
Gunsight	Roosevelt	Madison, Mission Canyon, Ratcliffe	3,988
Gypsy Basin	Pondera, Teton	Sawtooth, Madison	7,509
Hardscrable Creek	Richland	Red River	4,730
Hay Creek	Richland	Interlake, Mission Canyon	18,650
Hiawatha	Musselshell	Tyler	1,443
High Five	Rosebud	Stensvad	10,384
Highview	Teton, Pondera	Mississippian, Madison	10,961
Honker	Sheridan	Red River	11,898
Intake II	Richland	Red River, Madison	125,001
Jim Coulee	Musselshell	Tyler	6,091
Jim Coulee, North	Musselshell	Tyler	472
Katy Lake	Sheridan	Red River	6,726
Katy Lake, North	Sheridan	Red River, Mission Canyon, Nesson	216,467
Keg Coulee	Musselshell	Tyler	370
Kelley Unit	Musselshell	Tyler	3,014
Kevin-Sunburst	Toole	Madison, Sunburst	62,002
Kincheloe Ranch, West	Rosebud	Tyler	18,448
Laird Creek	Liberty	Swift	1,014
Lambert	Richland	Red River	58,347
Lambert, North	Richland	Red River	166
Landslide Butte	Glacier	Madison	95,459
Leary	Powder River	Muddy	24,128
Little Beaver	Fallon	Red River, Siluro-Ord	36,063
Little Beaver, East	Fallon	Red River, Siluro-Ord	25,092
Little Wall Creek	Musselshell	Tyler, Lower Tyler	42,879
Little Wall Creek, South	Musselshell	Tyler	6,583
Lone Butte	Richland	Red River	8,085
Lone Rider	Roosevelt	Ratcliffe	344
Lonetree Creek	Richland	Red River	152,919
Lonetree Creek, West	Richland	Red River	306
Lookout Butte	Fallon	Siluro-Ord, Madison	75,028
Lost Creek	McCone	Interlake	150
Lowell	Sheridan	Red River	14,507
Lustre	Valley	Madison, Charles, Mission Canyon, Ratcliffe	88,333
Lustre Area	Valley	Madison	400
Malcolm Creek	Sheridan	Mission Canyon	69
Mason Lake	Musselshell	Dakota	3,248
McCabe	Roosevelt	Ratcliffe	15,017

ASSOCIATED PRODUCED GAS PRODUCTION DATA – 1984 (CONTINUED)

Field	County	Producing Formation	1984 Produced MCF
McCabe, East	Roosevelt	Winnipegosis	483
Medicine Lake	Sheridan	Winnipegosis, Red River, Gunton, Mission Canyon	204,411
Melstone	Musselshell	Tyler	62,753
Midby	Sheridan	Red River	3,657
Miner's Coulee	Toole	Sunburst	1,159
Missouri Breaks	Richland	Red River	52,545
Mondak, West	Richland	Devonian, Madison, Red River, Mission Canyon, Ratcliffe, Siluro-Ord, Sawtooth	478,548
Mona	Richland	Red River	11,563
Monarch	Fallon	Siluro-Ord	4,723
Mustang	Richland	Red River	51,254
Neisser Creek	Sheridan	Red River	28,354
Nohly	Richland	Red River, Nisku, Ratcliffe	165,222
Nohly, South	Richland	Red River	48,235
North Fork	Richland	Madison, Red River, Mission Canyon, Ratcliffe	58,141
Ollie	Fallon	Duperow, Red River	5,309
Otis Creek	Richland	Red River	22,303
Otis Creek, South	Richland	Red River	53,069
Otter Creek	Sheridan	Red River	1,760
Outlook	Sheridan	Duperow, Red River, Winnipegosis, Nisku, Interlake	43,840
Outlook, West	Sheridan	Winnipegosis	1,176
Oxbow	Roosevelt	Winnipegosis	29,405
Palomino	Roosevelt	Nisku	6,701
Pelican	Sheridan	Red River	14,182
Pennel	Fallon	Mission Canyon, Interlake	597,380
Pine	Fallon, Wibaux, Prairie, Dawson	Red River, Siluro-Ord, Stoney Mountain	272,445
Plentywood	Sheridan	Red River	4,007
Pondera Coulee	Teton	Madison	110
Poplar, Northwest	Roosevelt	Charles C.	108,449
Prichard Creek	Toole	Sunburst	3,025
Pronghorn	Sheridan	Red River	51,364
Putnam	Richland	Bakken, Madison, Red River, Interlake	150,857
Rainbow	Richland	Red River	17,976
Rattler Butte	Rosebud	Tyler	21,266
Raymond	Sheridan	Madison, Mississippian, Duperow, Red River, Winnipegosis, Charles, Nisku	294,557
Raymond, Northeast	Sheridan	Nisku	270
Reagan	Glacier	Madison	433,086
Red Bank	Roosevelt	Ratcliffe, Madison, Red River, Midale, Mission Canyon	54,190
Red Bank, South	Roosevelt	Red River	38,618
Red Creek	Glacier	Cut Bank, Madison	25,913
Red Fox	Roosevelt	Nisku	447
Red Water, East	Richland	Red River	42,856
Redstone	Sheridan	Winnipegosis	1,138
Refuge	Sheridan	Red River	11,760
Reserve	Sheridan	Red River, Winnipegosis	25,191
Richey, Southwest	McCone	Siluro-Ord, Interlake	2,625
Ridgelawn	Richland	Madison, Red River, Ratcliffe, Duperow Mission Canyon	442,091
River Bend	Richland	Red River	17,615
Rocky Point	Roosevelt	Red River	94,859
Rosebud	Rosebud	Tyler	1,549
Royals	Dawson	Dawson Bay	31,999
Rush Mountain	Sheridan	Red River	3,406
Sand Creek	Dawson	Interlake	6,576
Second Creek	Richland	Red River	58,166
Shotgun Creek	Roosevelt	Red River	7,553
Sidney	Richland	Madison, Red River, Mission Canyon, Ratcliffe	159,754
Sidney, East	Richland	Madison	32,500
Singletree	Roosevelt	Winnipegosis	15,531

ASSOCIATED PRODUCED GAS PRODUCTION DATA – 1984 (CONTINUED)

Field	County	Producing Formation	1984 Produced MCF
Sioux Pass	Richland	Madison, Red River	81,541
Sioux Pass, East	Richland	Red River	2,256
Sioux Pass, Middle	Richland	Red River	91,897
Sioux Pass, North	Richland	Nisku, Madison, Ratcliffe	294,510
Sioux Pass, South	Richland	Red River	36,341
South Fork	Richland	Mission Canyon, Red River	45,940
Spring Lake	Richland	Bakken, Red River	11,950
Spring Lake, South	Richland	Red River	34,047
Stampede	Richland	Red River	33,700
Studhorse	Garfield	Stensvad	600
Sumatra	Rosebud	Tyler	9,329
Sunny Hill	Sheridan	Madison, Red River	3,565
Sunny Hill, West	Sheridan	Red River	29,512
Target	Roosevelt	Madison, Mission Canyon	2,269
Three Buttes	Richland	Gunton, Red River	42,140
Tippy Buttes	Musselshell	Tyler	5,427
Tule Creek	Roosevelt	Nisku	20,055
Tule Creek, East	Roosevelt	Nisku	9,289
Tule Creek, South	Roosevelt	Dakota	3,373
Two Waters	Richland	Bakken	8,691
Vaux	Richland	Ratcliffe, Madison, Interlake, Mission Canyon, Red River	232,415
Wagon Trail	Musselshell	Red River	3,746
Wakea	Sheridan	Red River, Interlake	58,288
Weed Creek	Yellowstone	Amsden	496
Whitlash	Liberty	Swift	95,785
Wills Creek, South	Fallon	Siluro-Ord	5,195
Windmill	Richland	Duperow	10
Wolf Springs	Yellowstone	Amsden	18,622
Woodrow	Dawson	Siluro-Ord, Interlake, Charles C	4,110
Wrangler	Sheridan	Red River	40,961
Wrangler, North	Sheridan	Red River	20,203
Wright Creek	Powder River	Muddy	10,789
Wildcat	Dawson		9,230
Wildcat	Fallon		3,240
Wildcat	Richland		39,636
Wildcat	Roosevelt		47,630
Wildcat	Sheridan		47,766
Wildcat	Toole		5,199
Wildcat	Valley		15,549
Wildcat	Wibaux		6,276
Wildcat	Yellowstone		6,136
SUBTOTAL ASSOCIATED GAS PRODUCED			11,207,833
SUBTOTAL NATURAL GAS PRODUCED			41,773,549
TOTAL GAS			52,981,382

NATURAL GAS IMPORTED MMCF

Canada	6,600
Dakotas	30,418
Wyoming	11,222
	48,240 MMCF

NATURAL GAS EXPORTED MMCF

Canada	127
Dakotas	6,108
Wyoming	11,731
Midwest	13,236
	31,202 MMCF

REFINERS' YEARLY TOTAL — 1984

COMPANY	BEGINNING STORAGE	MONTANA OIL	N. DAKOTA OIL	WYOMING OIL	CANADA OIL	REFINED	ENDING STORAGE
CONTINENTAL OIL CO.	124,508	1,403,373	—	6,094,596	8,482,239	15,950,398	154,318
EXXON COMPANY	222,567	968,756	—	11,211,665	561,315	12,693,388	270,915
FARMERS UNION	90,593	2,341,511	—	3,245,860	5,472,878	10,903,336	247,506
FLYING J OIL	5,614	—	—	—	—	—	5,614
KENCO REFINING SIMMONS/MONT. REFINING CO.	8,732	1,275,160	55,119	—	—	1,335,752	9,491
	7,711	1,832,191	—	—	—	1,834,258	6,796
TOTALS	459,725	7,820,991	55,119	20,552,121	14,516,432	42,717,132	694,640

PERCENTAGE OF CRUDE OIL REFINED

YEAR	MONTANA	CANADA	NORTH DAKOTA	WYOMING
1980	17.92	39.42	.06	42.60
1981	22.40	30.40	.04	47.16
1982	21.40	36.47	.00	42.13
1983	16.98	37.16	.11	45.75
1984	18.21	33.80	.13	47.86

AVERAGE BARRELS PER DAY

YEAR	MONTANA	CANADA	NORTH DAKOTA	WYOMING	TOTAL
1980	21,901	48,162	69	52,050	122,182
1981	23,812	32,320	40	50,133	106,305
1982	24,763	42,198	—	48,749	115,710
1983	19,507	42,696	124	52,555	114,882
1984	21,369	39,662	151	56,153	117,335

REFINING FIVE YEAR COMPARISON

1980	1981	1982	1983	1984
44,718,698	38,801,346	42,234,413	41,932,061	42,944,663

BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA

STATEMENT OF CRUDE OIL PRODUCTION AND VALUATION—ALL MONTANA FIELDS YEAR 1984 AND ACCUMULATED TOTALS FROM DISCOVERY DATE

FIELD	COUNTY	PRODUCTION YEAR 1984			CUMULATIVE TO DECEMBER 31, 1984	
		BARRELS	VALUE	AVERAGE PRICE *	BARRELS	VALUE
Alkali Coulee	Sheridan	3,167	\$ 88,580	27.97	1,908	\$ 623,956
Anvil	Roosevelt	339,387	9,760,770	28.70	1,747,588	50,448,255
Ash Creek	Big Horn	3,717	107,532	28.93	80,716	2,988,770
Autumn	Valley	4,157	113,028	27.19	3,554	1,125,986
Bainville	Roosevelt	34,852	981,083	28.15	317,825	2,514,540
Bainville, North	Roosevelt	156,015	4,483,871	28.74	789,140	25,873,126
Bainville, West	Roosevelt	17,091	485,213	28.39	156,313	4,797,568
Bainville II	Roosevelt	45,255	1,284,789	28.39	11,463	3,524,926
Bannatyne	Teton	13,183	375,847	28.51	306,867	2,788,755
Bear's Den	Liberty	6,581	187,163	28.44	485,192	2,973,837
Belfry	Carbon	1,364	37,905	27.79	98,410	448,304
Bell Creek	Powder River	2,318,520	67,283,450	29.02	124,639,051	1,088,192,442
Benrud	Roosevelt	21,269	60,382	28.39	249,012	1,620,225
Benrud, East	Roosevelt	40,448	1,148,723	28.40	2,590,671	15,468,004
Benrud, Northeast	Roosevelt	304	84,922	27.88	940,404	3,826,591
Berthelote	Toole	874	19,935	22.81	56,273	281,376
Big Gully	Musselshell	252	69,111	27.30	94,953	1,384,472
Big Gully, North	Musselshell	253	74,533	29.39	21,199	465,919
Big Muddy Creek	Roosevelt	44,499	1,282,461	28.82	1,118,928	18,671,936
Big Rock	Glacier	178	53,562	29.99	355	104,538
Big Wall	Musselshell	65,150	1,852,214	28.43	7,298,650	31,056,485
Black Diamond	Wibaux	24,710	682,984	27.64	94,881	2,984,033
Blackfoot	Glacier	40,008	1,145,829	28.64	1,296,382	9,208,904
Blackleaf Canyon	Teton	11,220	315,169	28.09	20,937	599,611
Bloomfield	Dawson	96,692	2,747,019	28.41	12,689	3,444,626
Blue Hill	Richland	6,151	163,370	26.50	154,717	2,955,207
Blue Mountain	Wibaux	18,751	524,465	27.97	18,751	524,465
Border	Toole	22,380	626,863	28.01	1,377,623	4,540,652
Boulder	Richland	315	8,139	25.84	140,964	2,135,735
Bowes	Blaine	144,252	2,970,148	20.59	9,112,641	34,863,566
Box Canyon	Richland	28,721	81,567	28.40	143,597	4,906,574
Bradley	Glacier	3,674	102,688	27.95	240,653	1,472,261
Brady	Pondera	11,683	330,278	28.27	137,227	2,658,464
Breed Creek	Rosebud	127,924	3,718,750	29.07	819,522	17,364,284
Brorson-Madison	Richland	63,327	1,797,853	28.39	673,819	8,539,664
Brorson-Red River	Richland	35,110	996,772	28.39	2,062,875	12,414,670
Brorson, South	Richland	55,178	1,538,914	27.89	1,450,508	14,470,145
Brush Lake	Sheridan	85,612	2,205,365	25.70	2,229,262	18,727,598
Buffalo Flats	Chouteau	7	2,125	27.97	379	10,851
Buffalo Lake	Glacier	92	26,205	28.30	93	26,493
Burget, East	Roosevelt	24,523	674,872	27.52	87,785	2,666,021
Burns Creek	Dawson, Richland	8,265	23,753	28.74	22,891	2,655,257
Burns Creek, South	Richland	35,354	1,007,235	28.49	63,922	1,904,870
Cabin Creek	Fallon	143,215	3,916,946	27.35	83,702,509	424,231,288
Canadian Coulee	Hill	521	14,113	27.09	521	14,113
Canal	Richland	91,210	2,576,682	28.25	831,159	12,244,275
Cannonball	Fallon	4,022	112,414	27.95	4,920	1,674,899
Carlyle	Wibaux	20,210	57,800	28.60	228,995	5,452,586
Cat Creek	Petroleum, Garfield	67,891	1,991,243	29.33	23,254,190	64,789,152
Charlie Creek	Richland	23,419	67,165	28.68	55,847	9,972,196
Charlie Creek, East	Richland	31,851	914,760	28.72	21,315	7,154,271
Charlie Creek, North	Richland	8,374	239,663	28.62	31,728	956,775

FIELD	COUNTY	PRODUCTION YEAR 1984			CUMULATIVE TO DECEMBER 31, 1984	
		BARRELS	VALUE	AVERAGE PRICE *	BARRELS	VALUE
Clark's Fork	Carbon	831	\$ 23,974	28.85	86,732	\$ 361,431
Clear Lake	Sheridan	155,259	424,788	27.30	1,480,459	37,702,599
Clear Lake, South	Sheridan	18,439	51,942	28.17	18,439	519,426
Coal Ridge	Sheridan	1,854	45,849	24.73	20,808	766,964
Colored Canyon	Sheridan	51,069	1,472,319	28.83	541,869	14,787,239
Comertown	Sheridan	290,270	8,365,581	28.82	1,183,515	37,602,521
Conrad, South	Pondera	162	46,503	28.60	14,275	861,485
Corner Pocket	Richland	4,813	134,619	27.97	4,813	134,619
Cottonwood	Richland	25,587	715,668	27.97	25,587	715,668
Cow Creek	McCone	3,110	76,661	24.65	123,900	1,221,764
Cow Creek, East	McCone	61,541	1,705,301	27.71	2,179,189	24,068,350
Crane	Richland	145,869	4,164,559	28.55	905,045	29,366,288
Crocker Springs, East	Pondera	171	492	28.81	1,271	37,488
Culbertson	Roosevelt	187	375	20.09	175,652	1,134,101
Cupton	Fallon	86,365	2,508,039	29.04	1,851,668	22,536,166
Cut Bank	Glacier, Toole	1,083,270	30,667,373	28.31	157,255,670	632,596,127
Dagmar	Sheridan	44,151	1,275,522	28.89	414,229	9,479,307
Dagmar, North	Sheridan	9,491	271,347	28.59	44,650	1,446,505
Deadman's Coulee	Roosevelt	38,405	1,099,535	28.63	222,153	7,126,595
Dean Dome	Stillwater	11,143	187,870	16.80	76,761	1,300,932
Deer Creek	Dawson	4,382	122,871	28.04	2,293,727	6,305,736
Delphia	Musselshell	2,721	80,378	29.54	31,463	1,336,822
Devil's Basin	Musselshell	1,204	34,085	28.31	100,985	1,550,623
Diamond Point	Roosevelt	77,682	2,051,581	26.41	490,372	11,644,923
Divide	Sheridan	171,945	4,671,745	27.17	1,030,365	31,195,030
Dry Creek	Carbon	6,664	198,920	29.85	411,924	9,520,195
Dry Creek, Middle	Carbon	230	6,670	29.00	230	6,670
Dugout Creek	Richland	3,263	92,049	28.21	66,510	2,199,435
Dunkirk, North	Toole	19	498	26.24	19	498
Dwyer	Sheridan	417,792	1,175,666	28.14	7,045,089	46,241,789
Eagle	Richland	138,521	389,936	28.15	1,039,800	27,412,146
Elk Basin	Carbon	685,069	1,773,643	25.89	79,250,308	296,935,331
Elk Basin, Northwest	Carbon	2,622	73,075	27.87	1,217,447	5,330,630
Enid, North	Richland	32,598	969,464	29.74	199,432	5,816,521
Fairview	Richland	327,887	9,407,078	28.69	7,293,120	63,627,428
Fairview, East	Richland	40,810	1,153,698	28.27	292,117	9,307,547
Fairview, West	Richland	29,558	839,742	28.41	104,837	3,235,803
Fertile Prairie	Fallon	31,414	916,660	29.18	571,520	5,207,011
Fiddler Creek	Stillwater	452	7,232	16.00	2,012	42,035
Fishhook	Sheridan	149,898	4,287,082	28.60	66,247	21,113,856
Flat Coulee	Liberty	192,104	5,465,358	28.45	4,119,050	39,910,874
Flat Lake	Sheridan	419,907	10,862,994	25.87	13,691,803	100,926,906
Flat Lake, South	Sheridan	45,015	1,155,535	25.67	1,047,874	10,967,572
Flaxville	Daniels	10,704	267,600	25.00	41,592	1,131,841
Fort Gilbert	Richland	94,867	273,406	28.82	1,682,093	22,654,119
Four Mile Creek	Richland	18,428	527,040	28.60	309,708	5,826,172
Four Mile Creek, West	Richland	15,263	436,521	28.60	22,130	5,114,928
Fox Creek	Richland	11,713	333,703	28.49	182,463	4,299,024
Fox Creek, North	Richland	4,440	127,339	28.68	55,054	1,453,885
Frannie	Carbon	7,204	184,782	25.65	746,307	2,517,041
Fred & George Creek	Toole	148,147	4,220,708	28.49	12,566,827	74,247,911
Frog Coulee	Richland	10,655	302,602	28.40	122,743	3,900,419
Froid, South	Roosevelt	5,377	15,270	28.40	196,798	1,814,869
Gage	Musselshell	6,199	180,080	29.05	613,649	2,754,273
Gas City	Dawson	117,542	3,592,083	30.50	9,536,364	46,192,820
Girard	Richland	7,669	223,014	29.08	228,441	1,349,319
Glacier, East	Glacier	1,260	36,010	28.58	18,561	608,849
Glendive	Dawson	148,624	4,247,673	28.58	11,916,693	52,577,345

FIELD	COUNTY	PRODUCTION YEAR 1984			CUMULATIVE TO DECEMBER 31, 1984	
		BARRELS	VALUE	AVERAGE PRICE *	BARRELS	VALUE
Glendive, South	Dawson	8,689	\$ 218,875	25.19	68,859	\$ 2,007,322
Golden Dome	Carbon	5,119	151,522	29.60	60,334	759,500
Goose Lake	Sheridan	188,840	5,062,800	26.81	8,088,153	52,700,286
Goose Lake, West	Sheridan	68,989	196,618	28.50	257,441	7,805,421
Gossett	Richland	37,143	101,214	27.25	91,004	2,632,510
Graben Coulee	Glacier	92,864	2,607,621	28.08	1,700,813	18,633,147
Grandview, East	Liberty	4,799	134,132	27.95	28,675	778,212
Grebe	Rosebud	795	22,911	28.82	795	22,911
Green Coulee	Sheridan	16,962	50,597	29.83	90,811	2,862,835
Green Coulee, East	Sheridan	36,238	1,080,979	29.83	36,238	1,080,979
Gumbo Ridge	Rosebud	34,899	1,014,164	29.00	531,693	10,167,975
Gunsight	Roosevelt	40,029	1,101,598	27.52	89,310	2,603,539
Gypsy Basin	Pondera	23,055	651,534	28.20	391,678	6,122,807
Hardscrabble Creek	Richland	15,720	440,317	28.01	57,474	1,683,606
Hawk Creek	Musselshell	627	18,609	29.68	9,231	98,728
Hawk Haven	Richland	539	15,075	27.97	7,271	233,662
Hay Creek	Richland	3,299	941,705	28.54	1,149,753	8,497,660
Hiawatha	Musselshell	22,701	67,217	29.61	1,453,752	8,156,892
Hibbard	Rosebud	4,409	126,891	28.78	213,473	1,918,249
High Five	Rosebud	162,843	4,704,534	28.89	1,717,545	37,614,845
Highview	Pondera	7,720	214,847	27.83	36,218	1,006,218
Honker	Sheridan	12,629	364,472	28.80	68,701	2,236,539
Horse Creek	Liberty	954	2,661	27.90	8,867	176,557
Howard Coulee	Musselshell	3,447	9,775	28.30	118,509	1,742,665
Injun Creek	Rosebud	11,808	342,313	28.99	105,197	2,647,228
Intake II	Richland	12,390	3,637,880	29.30	466,193	14,553,205
Ivanhoe	Musselshell	1,234	358,898	29.07	4,477,885	13,863,197
Jim Coulee	Musselshell	84,053	2,478,722	29.49	3,893,967	37,765,870
Katy Lake	Sheridan	13,630	391,044	28.69	1,468	393,916
Katy Lake, North	Sheridan	398,455	11,431,673	28.69	2,209,195	72,467,781
Keg Coulee	Musselshell	104,613	304,737	29.13	5,175,795	28,076,317
Keg Coulee, North	Musselshell	10,785	311,902	28.92	419,759	4,466,587
Kelley	Musselshell	23,915	710,992	29.73	940,048	5,041,514
Kevin-Sunburst	Toole	811,611	22,716,991	27.99	75,923,039	238,095,674
Kevin Nisku Oil, East	Toole	6,210	173,817	27.99	6,210	173,817
Kicking Horse	Toole	90	2,420	26.89	1,349	45,095
Kincheloe Ranch, West	Rosebud	66,358	191,044	28.79	370,812	11,630,022
Laird Creek	Liberty	9,310	265,055	28.47	552,203	4,240,294
Lambert	Richland	43,452	1,250,114	28.77	284,060	8,966,645
Lambert, North	Richland	2,448	70,428	28.77	35,462	1,193,396
Lamesteer Creek	Wibaux	562	161,184	28.65	562	161,184
Landslide Butte	Glacier	29,131	825,572	28.34	92,181	1,726,111
Leary	Powder River	53,119	1,540,982	29.01	537,961	7,631,444
Ledger	Pondera	123	3,474	28.25	275	7,948
Little Beaver	Fallon	381,430	1,020,706	26.70	1,079,257	79,813,099
Little Beaver, East	Fallon	124,647	3,335,553	26.70	5,027,675	29,227,446
Little Phantom	Toole	2,965	83,939	28.31	42,180	919,350
Little Wall Creek	Musselshell	170,429	4,986,752	29.20	2,865,778	53,011,630
Lodge Grass	Big Horn	4,844	131,514	27.15	275,235	1,375,771
Lone Butte	Richland	12,273	343,889	28.02	355,843	5,556,147
Lone Rider	Roosevelt	362	10,545	29.13	5,903	194,397
Lonetree Creek	Richland	123,338	350,896	28.45	2,966,870	33,248,382
Lonetree Creek, West	Richland	6,622	195,878	29.58	32,348	1,004,965
Long Creek	Roosevelt	3,967	112,980	28.48	52,354	1,065,925
Long Creek, West	Roosevelt	55,824	1,640,109	29.38	433,158	10,101,622
Lookout Butte	Fallon	459,812	12,598,848	27.40	21,462,702	128,846,661
Lost Creek	McCone	1,534	42,905	27.97	1,534	42,905
Lowell	Sheridan	21,549	617,163	28.64	158,380	5,227,470

PRODUCTION YEAR 1984

**CUMULATIVE TO
DECEMBER 31, 1984**

FIELD	COUNTY	BARRELS	VALUE	AVERAGE PRICE*	BARRELS	VALUE
Lustre	Valley	801,112	\$ 22,302,958	27.84	1,303,398	\$ 36,682,502
Lustre, North	Valley	33,701	932,169	27.60	33,701	932,169
Mackay Dome	Stillwater	11,398	318,802	27.97	65,740	1,366,591
Malcolm Creek	Sheridan	197	5,744	29.10	11,450	353,129
Mason Lake	Musselshell	11,569	3,419,973	29.50	852,913	21,387,258
Mason Lake, North	Musselshell	1,335	38,648	28.95	16,617	408,680
McCabe	Roosevelt	19,132	549,088	28.70	167,381	4,597,756
McCabe, East	Roosevelt	692	19,625	28.30	4,012	136,308
Meander	Pondera	481	13,400	27.80	2,852	86,586
Medicine Lake	Sheridan	267,257	7,654,240	28.64	199,241	65,569,862
Melstone	Musselshell	19,794	5,831,489	29.40	301,904	36,594,869
Midby	Sheridan	5,624	159,159	28.30	70,172	2,300,577
Mineral Bench	Roosevelt	3,863	109,979	28.47	168,499	1,067,753
Miners Coulee	Toole	2,182	62,165	28.49	150,721	1,092,652
Missouri Breaks	Richland	52,139	1,497,432	28.72	196,551	5,997,846
Mon Dak, West	Richland	573,849	16,492,420	28.74	6,105,098	154,199,228
Mona	Richland	3,709	107,635	29.02	55,895	1,745,601
Monarch	Fallon	137,037	3,713,702	27.10	4,881,662	33,264,770
Mosser Dome	Yellowstone	10,707	293,371	27.40	327,007	2,142,125
Musselshell	Musselshell	442	127,601	28.83	23,024	280,168
Mustang	Richland	39,012	1,133,688	29.00	340,160	11,242,863
Neiser Creek	Sheridan	38,169	1,121,405	29.38	78,399	2,308,190
Nohly	Richland	264,202	7,471,632	28.28	1,390,979	20,959,378
Nohly, South	Richland	27,141	789,260	29.08	102,347	3,016,861
North Fork	Richland	28,544	80,522	28.21	329,081	7,196,297
Ollie	Fallon	15,013	432,824	28.83	172,838	5,984,890
Otis Creek	Richland	21,793	613,690	28.10	748,330	9,693,817
Otis Creek, South	Richland	39,629	1,124,274	28.37	111,949	3,324,925
Otter Creek	Sheridan	1,420	41,790	29.43	28,492	959,881
Outlook	Sheridan	101,910	2,950,294	28.95	7,899,112	45,126,353
Outlook, South	Sheridan	5,005	142,942	28.5	680,848	2,633,699
Outlook, West	Sheridan	23,038	657,965	28.5	619,595	4,017,553
Oxbow	Roosevelt	35,868	1,026,542	28.62	238,005	5,518,085
Palomino	Roosevelt	16,161	4,625,449	28.62	746,757	23,835,703
Pelican	Sheridan	17,245	492,517	28.50	124,088	4,079,098
Pennel	Fallon	3,431,820	9,406,618	27.41	59,337,684	635,473,366
Pete Creek	Toole	1,507	42,753	28.37	14,509	326,947
Phantom	Toole	94	27,121	28.67	42,808	737,304
Pine	Dawson, Prairie Fallon, Wibaux	1,769,260	48,813,883	27.59	99,271,883	516,402,827
Plentywood	Sheridan	3,790	110,175	29.07	20,493	646,862
Pondera	Pondera, Teton	418,614	11,796,542	28.18	23,355,582	123,454,792
Pondera Coulee	Teton	2,372	62,549	26.37	42,682	581,348
Poplar, East	Roosevelt	220,761	6,327,010	28.60	44,392,683	162,337,997
Poplar, Northwest	Roosevelt	320,037	9,127,455	28.52	2,018,922	34,285,049
Poplar, Southeast	Roosevelt	1,109	32,305	29.13	16,254	1,093,017
Prairie Dell	Toole	135	3,915	29.00	25	7,424
Prairie Elk	McCone	5,580	147,535	26.44	73,361	1,121,312
Prichard Creek	Toole	13,984	400,222	28.62	145,917	2,144,427
Pronghorn	Sheridan	97,354	279,308	28.69	234,088	6,793,922
Putnam	Richland	192,733	5,442,779	28.24	298,855	70,031,975
Rabbit Hills	Blaine	77,497	165,223	21.32	743,608	11,803,319
Ragged Point	Musselshell	138,770	3,982,699	28.70	344,471	25,151,745
Rainbow	Richland	16,462	472,624	28.71	77,901	2,388,022
Rattler Butte	Rosebud	98,692	2,884,767	29.23	716,761	20,347,847
Rattlesnake Butte	Petroleum	7,351	209,282	28.47	13,271	215,874
Rattlesnake Coulee	Toole	735	20,925	28.47	89,371	661,863

FIELD	COUNTY	PRODUCTION YEAR 1984			CUMULATIVE TO DECEMBER 31, 1984	
		BARRELS	VALUE	AVERAGE PRICE *	BARRELS	VALUE
Raymond	Sheridan	204,021	\$ 589,008	28.87	3,645,008	\$ 64,552,584
Raymond, North	Sheridan	21,561	625,700	29.02	64,979	1,929,018
Raymond, Northeast	Sheridan	707	20,587	29.12	120,665	1,721,168
Reagan	Glacier	220,095	6,277,109	28.52	777,578	67,592,229
Red Bank	Roosevelt	203,530	5,633,710	27.68	1,058,252	33,917,698
Red Bank, South	Roosevelt	51,011	1,351,791	26.50	206,918	6,380,807
Red Creek	Glacier	10,863	3,058,103	28.15	5,645,371	25,655,177
Red Fox	Roosevelt	1,510	42,551	28.18	373,921	1,560,893
Red Water, East	Richland	45,277	107,985	23.85	122,259	3,348,516
Redstone	Sheridan	2,840	81,905	28.84	460,759	2,067,561
Refuge	Sheridan	12,455	362,565	29.11	10,353	3,612,948
Repeat	Carter	3,322	81,422	24.51	506,609	2,687,308
Reserve	Sheridan	2,618	757,560	28.93	1,516,369	12,649,330
Richey	Dawson, McCone	777	216,095	27.79	1,973,340	6,694,939
Richey, East	Dawson	41	1,123	27.41	1,038	333,467
Richey, Southwest	McCone	3,225	93,621	29.03	1,893,388	6,214,430
Ridgelawn	Richland	52,646	14,946,369	28.39	2,513,204	79,435,180
RipRap Coulee	Roosevelt	47,314	1,301,135	27.50	320,478	7,400,355
River Bend	Richland	24,251	678,300	27.97	107,963	3,296,932
Rocky Point	Roosevelt	69,070	198,023	28.67	306,287	8,654,109
Roscoe Dome	Carbon	1,700	29,971	17.63	13,068	307,552
Rosebud	Rosebud	12,364	368,694	29.82	407,750	6,254,869
Royals	Dawson	30,802	896,030	29.09	165,395	5,398,920
Rudyard	Hill	972	2,719	27.98	11,677	257,573
Runaway	Teton	574	16,123	28.09	2,790	91,088
Rush Mountain	Sheridan	852	241,882	28.37	426,427	3,249,785
Salt Lake	Sheridan	10,507	304,492	28.98	355,070	3,355,689
Sand Creek	Dawson	19,382	543,471	28.04	2,303,648	10,986,880
Second Creek	Richland	41,345	1,194,870	28.90	1,017,069	16,159,661
Sheepherder	Musselshell	1,767	50,412	28.53	68,370	1,117,003
Shotgun Creek	Roosevelt	43,328	1,329,303	30.68	145,108	2,308,225
Sidney	Richland	198,113	5,630,371	28.42	2,404,384	48,555,136
Sidney, East	Richland	51,578	1,473,583	28.57	378,298	12,639,266
Singletree	Roosevelt	33,244	929,834	27.97	115,662	2,653,639
Sioux Pass	Richland	112,902	3,196,255	28.31	2,683,100	43,502,418
Sioux Pass, East	Richland	315	90,072	28.54	60,405	1,173,947
Sioux Pass, Middle	Richland	89,009	254,120	28.55	1,052,837	25,499,596
Sioux Pass, North	Richland	269,795	7,691,855	28.51	2,600,665	63,615,542
Sioux Pass, South	Richland	3,563	1,029,524	28.89	115,743	3,489,454
Snyder	Big Horn	5,450	125,949	23.11	446,403	1,608,403
Soap Creek	Big Horn	62,661	1,436,190	22.92	2,361,027	14,429,033
Soap Creek, East	Big Horn	7,915	181,411	22.92	82,609	1,673,907
South Fork	Richland	43,725	1,241,352	28.39	746,077	15,203,034
Spring Lake	Richland	16,838	481,735	28.61	789,399	5,289,345
Spring Lake, South	Richland	13,843	39,618	28.62	68,899	2,200,809
Stampede	Richland	28,141	785,415	27.91	151,617	4,756,081
Stensvad	Musselshell, Rosebud	9,438	263,131	27.88	10,069,627	27,202,163
Studhorse	Garfield	49,805	1,446,835	29.05	49,805	1,446,835
Sumatra	Rosebud	611,458	17,713,938	28.97	40,917,684	271,076,397
Sunnyhill	Sheridan	13,853	395,364	28.54	182,321	4,772,641
Sunnyhill, West	Sheridan	37,905	1,081,808	28.54	37,905	1,081,808
Target	Roosevelt	73,760	2,035,038	27.59	379,389	11,296,273
Three Buttes	Richland	39,185	1,150,863	29.37	200,832	6,463,085
Tippy Buttes	Musselshell	19,090	559,909	29.33	103,704	3,188,195
Tule Creek	Roosevelt	102,345	2,933,207	28.60	7,779,331	36,552,797
Tule Creek, East	Roosevelt	6,864	196,104	28.57	1,990,319	6,751,660
Tule Creek, South	Roosevelt	3,139	91,690	29.21	689,659	3,199,268

FIELD	COUNTY	PRODUCTION YEAR 1984			CUMULATIVE TO DECEMBER 31, 1984	
		BARRELS	VALUE	AVERAGE PRICE*	BARRELS	VALUE
Two Waters	Richland	12,985	\$ 376,694	29.01	93,939	\$ 3,161,510
Utopia Swift	Liberty	53,303	1,495,149	28.05	382,294	8,992,595
Vaux	Richland	310,284	8,666,232	27.93	2,064,773	52,632,646
Volt	Roosevelt	77,577	2,218,702	28.60	2,651,958	19,665,023
Wagon Box	Musselshell	3,962	115,967	29.27	30,412	529,654
Wagon Trail	Richland	4,788	133,920	27.97	41,037	1,241,465
Wakea	Sheridan	112,441	3,180,955	28.29	146,105	4,150,478
Weed Creek	Yellowstone	266	75,261	28.23	596,805	2,468,275
Weldon	McCone	9,259	268,048	28.95	7,043,423	20,277,416
West Butte	Toole	4,700	133,997	28.51	26,739	2,535,776
Whitlash	Liberty	90,454	2,579,748	28.52	4,949,787	42,578,770
Whitlash, West	Liberty	9,831	279,888	28.47	92,615	1,279,413
Willow Creek, North	Musselshell	6,322	182,073	28.80	305,769	2,810,234
Willow Ridge	Toole	3,405	96,327	28.29	34,143	853,154
Wills Creek, South	Fallon	27,482	748,060	27.22	982,840	7,218,673
Winnett Junction	Musselshell	51,457	1,515,408	29.45	72,163	13,363,466
Wolf Springs	Yellowstone	11,117	318,835	28.68	4,617,999	13,538,670
Wolf Springs, South	Yellowstone	95,501	2,726,553	28.55	95,501	2,726,553
Woodrow	Dawson	15,683	434,575	27.71	1,092,588	5,035,011
Wrangler	Sheridan	50,784	140,671	27.70	260,874	8,683,584
Wrangler, North	Sheridan	12,849	370,051	28.80	80,403	2,771,962
Wright Creek	Powder River	8,515	244,210	28.68	246,969	2,633,545
Yates	Wibaux	641	180,289	28.10	35,252	1,144,818
Wildcat	Blaine	2,402	67,183	27.97	2,402	67,183
Wildcat	Dawson	952	26,998	28.30	1,305	39,643
Wildcat	Fallon	8,597	245,702	28.58	19,280	275,187
Wildcat	Garfield	78	2,256	28.71	78	22,566
Wildcat	Glacier	378	10,572	27.97	48,609	135,490
Wildcat	Golden Valley	7,774	212,307	27.31	7,774	212,307
Wildcat	Petroleum	10,279	239,089	23.20	10,279	239,089
Wildcat	Richland	46,039	1,331,447	28.92	385,895	2,149,546
Wildcat	Roosevelt	62,404	1,766,033	28.30	148,558	2,002,953
Wildcat	Rosebud	220	6,153	27.97	220	6,153
Wildcat	Sheridan	287,579	8,279,399	28.79	339,290	8,826,761
Wildcat	Teton	79	2,259	28.60	9,403	21,926
Wildcat	Toole	22,310	637,619	28.58	58,119	756,436
Wildcat	Valley	413	11,378	27.55	413	11,378
Misc. Abandoned Fields					3,486,892	19,414,237
TOTALS		30,079,819	843,460,035	28.04	1,169,351,403	8,058,210,532

*Average price from the Montana Department of Revenue

MISCELLANEOUS ABANDONED FIELDS AS OF DECEMBER 31, 1984

FIELD	BARRELS	VALUE	FIELD	BARRELS	VALUE
Andes	21,175	646,333	Pasture	2,869	90,868
Antelope, North	2,484	85,522	Pasture Creek	1,914	62,789
Anvil, North	9,446	330,277	Pine, East	19,349	233,378
Bascom	27,830	65,674	Pole Creek	169,726	277,956
Big Wall, North	7,218	116,302	Red Water	25,654	922,027
Blackfoot, East	810	1,730	Richey Area, West	11,062	403,670
Bredette	232,121	2,062,125	Rough Creek	3,599	10,583
Bredette, North	488,554	1,160,009	Royals, South	3,082	101,400
Burget	6,504	228,647	Scobey	3,916	145,674
Butchers Creek	579	20,259	Shotgun Creek, North	89,647	1,564,569
Bynum	5,971	15,320	Smoke Creek	100,305	221,361
Cadmus	1,173	3,381	Snoose Coulee	678	21,857
Chelsea Creek	11,548	43,764	Snowden	1,938	70,607
Clark Fork, North	1,024,608	2,895,208	Stampede, North	4,566	136,865
Clark Fork, South	80,553	634,021	Two Medicine Creek	10,249	370,951
Dry Creek, West	5,042	148,829	Vida	262,876	1,156,361
Epworth	55,142	1,909,226	Viking	160	1,957
Flat Coulee, East	1,054	35,497	West Fork	6,671	229,773
Four Buttes	41,067	122,184	Wibaux	23,580	42,945
Gage, Southwest	16,289	37,397	Willow Ridge, South	3,054	97,968
Gettysburg	304	11,987	Windmill	6,031	190,017
Goose Lake, East	4,522	168,087	Wolf Creek	1,979	2,275
Grandview	9,784	196,936	Woman's Pocket	3,526	7,461
Hardpan	1,007	30,856	Yellowstone	39,405	72,518
Homestead	303	8,726	Wildcat, Carbon County	6,368	13,559
Jack Creek	1,310	3,275	Wildcat, Daniels County	3,508	7,787
Kippen, East	150	4,815	Wildcat, Hill County	405	8,831
Krug Creek	15,288	538,314	Wildcat, Liberty County	3,254	19,148
Lake Basin	473,639	661,111	Wildcat, McCone County	12,575	41,467
Lakeside	487	18,489	Wildcat, Musselshell County	925	1,841
Lariat	3,599	123,587	Wildcat, Powder River County	27,445	65,594
Laurel	1,017	36,458	Wildcat, Stillwater County	11,283	13,365
Line Coulee	57,789	138,495	Wildcat, Wibaux County	8,388	25,416
Lisk Creek	1,939	70,297			
McCabe, South	6,599	208,261			
			TOTALS	3,486,892	19,414,237

1984 WELL COMPLETIONS

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
Big Horn - 003								
Atlantic Richfield Co., 15-03S-37E, Arco Crow Tribal 1 Dipping Vat	6	21178	Wildcat		2/17/84	7,514	0	0
Champlin Petroleum Co., 07-1N-36E, 21-7 Kindrick 2	6	21177	Wildcat	NA	1/14/84	9,450	0	0
Davis Oil Co., 04-10S-38E, Painted Pony 1	3	21175	Ash Creek		2/28/84	9,700	0	0
O'Hare Energy Corp., 06-06S-36E, Yellow Mule A-1,	1	21183	Lodge Grass	Tensleep	10/19/84	6,350	20	0
Blaine - 005								
A.K. Guthrie, 10-24N-18E, Magda 2-A	3	22346	Leroy		10/3/84	1,807	0	0
Fuel Resources Dev. Co., 09-24N-18E, Fed H-9-24-18-N	3	22342	Leroy		10/1/84	1,862	0	0
Fuel Resources Dev. Co., 09-24N-19E, Fee-George Bleha, A-19-24-19-N	3	22343	Leroy		10/5/84	1,900	0	0
Fuel Resources Dev. Co., 12-24N-18E, Fee-Darrel McCracken L-12-18-N	3	22344	Leroy		10/8/84	1,962	0	0
J. Burns Brown Oper. Co., 15-32N-18E, Werk 15-32-18	2	21994	Tiger Ridge	Eagle & Virgelle			0	0
J. Burns Brown Oper. Co., 15-26N-19E, O'Connell 15-16	2	22147	Sherard Unit	Eagle	10/15/84	1,842	0	0
J. Burns Brown Oper. Co., 07-34N-20E, Fed 7-34-20	4	22323	Wildcat	Sawtooth	8/13/84	4,084	10	0
J. Burns Brown Oper. Co., 22-26N-19E, Fed 22-26-19	3	22340	Sherard Unit		9/6/84	1,850	0	0
J. Burns Brown Oper. Co., 24-26N-18E, Williamson 24-26-18	2	22341	Sherard Unit		8/24/84	2,000	0	0
J. Burns Brown Oper. Co., 23-26N-18E, Aarstad 23-26-18	2	22345	Sherard Unit	Eagle	9/26/84	2,100	0	0
J. Burns Brown Oper. Co., 36-25N-17E, State 36-25-17	6	22349	Wildcat		11/21/84	1,762	0	0
J. Burns Brown Oper. Co., 19-26N-19E, Fed 19-26-19	2	22350	Sherard Unit		11/29/84	2,185	0	0
Montana Power Co., 31-28N-19E, Fed 14-31	2	22312	Sawtooth Mountain	Judith River	9/25/83	2,054	0	0
Montana Power Co., 36-32N-18E, State 15-36	3	22339	Black Coulee		9/10/84	1,570	0	0
Tricentrol United States Inc., 17-25N-19E, US 17-16	3	22314	Sherard Unit		2/18/84	1,639	0	0
Tricentrol United States Inc., 12-25N-17E, US 12-3	6	22315	Wildcat		2/22/84	1,857	0	0
Tricentrol United States Inc., 04-31N-18E, Morrison 4-12	3	22319	Tiger Ridge		3/13/84	1,800	0	0
Tricentrol United States Inc., 24-31N-17E, Ramberg 24-8	3	22320	Tiger Ridge		3/9/84	2,005	0	0
Tricentrol United States Inc., 19-31N-18E, Bercruysen 19-4	2	22321	Tiger Ridge	Eagle	3/6/84	1,665	0	1,821
Tricentrol United States Inc., 19-31N-18E, Ramberg 19-5	2	22322	Tiger Ridge	Judith River	3/11/84	1,704	0	1,040
Tricentrol United States Inc., 29-26N-19E, O'Connell 29-4	3	22325	Sherard Unit		5/18/84	1,570	0	0
Tricentrol United States Inc., 01-30N-17E, Ross 1-4	2	22326	Tiger Ridge	Eagle	6/22/84	1,525	0	440
Tricentrol United States Inc., 23-25N-17E, US 23-1	6	22327	Wildcat		5/22/84	1,726	0	0
Tricentrol United States Inc., 03-30N-18E, Hofeldt 3-16	2	22328	Tiger Ridge	Eagle	6/17/84	1,200	0	88
Tricentrol United States Inc., 32-31N-18E, Dehlborn 32-8	3	22329	Tiger Ridge		6/16/84	1,350	0	0
Tricentrol United States Inc., 12-30N-17E, Blackwood 12-6	2	22330	Tiger Ridge	Eagle	6/20/84	1,450	0	125
Tricentrol United States Inc., 02-30N-17E, Ross 2-11	3	22331	Tiger Ridge		6/24/84	1,725	0	0
Tricentrol United States Inc., 36-31N-17E, State 36-3	2	22332	Tiger Ridge	Eagle	7/3/84	1,500	0	750
Tricentrol United States Inc., 24-31N-17E, Ramberg 24-3	3	22333	Tiger Ridge		7/12/84	1,650	0	0
Tricentrol United States Inc., 31-31N-18E, Paulsen 31-5	2	22334	Tiger Ridge	Eagle	7/1/84	1,300	0	620
Tricentrol United States Inc., 19-31N-18E, Ramberg 19-12	3	22335	Tiger Ridge		7/14/84	1,750	0	0
Tricentrol United States Inc., 05-31N-18E, Staff 5-6	2	22336	Tiger Ridge	Eagle	6/14/84	1,400	0	1,400
Tricentrol United States Inc., 29-26N-19E, O'Connell 29-4	2	22337	Sherard Unit	Judith River	5/27/84	2,152	0	195
Carbon - 009								
Aesop Partnership, 24-08S-24E, Fed 1	6	21191	Wildcat		6/3/84	259	0	0
J.M. Resources Inc., 21-07S-24E, Total Fed 7-B	6	21139	Wildcat		4/8/81	702	0	0
YVC Inc., 21-04S-23E, Newton 1-21	5	21184	Wildcat		1/20/83	1,800	0	0
Yellowstone Petroleum Inc., 13-04S-24E, Pierce-Harding 10-13	6	21187	Wildcat		11/11/83	1,143	0	0
Carter - 011								
Axem Resources Inc., 01-05S-60E, Hackberry Creek 13-1	6	21323	Wildcat		1/24/84	8,268	0	0
Bowers Oil & Gas Exploration, 16-02N-61E, Frey State 2-16	6	21326	Wildcat		11/13/84	2,630	0	0
Diamond Shamrock Exploration, 06-02N-61E, Zupanik 1-6	6	21322	Wildcat		10/23/83	9,200	0	0
GeoResources Inc., 09-08S-58E, Fed 858-9-1	2	21324	Hammond	Muddy	3/10/84	1,465	0	89
GeoResources Inc., 35-07S-57E, Fed 757-35-1	8	21325	Hammond		2/8/84	1,600	0	0
Samuel Gary, 22-01S-57E, Terry 22-9	6	21295	Wildcat		9/10/80	1,879	0	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
Cascade - 013								
Grizzly Drilling Co., 20-18N-05E, Mary Goette 1	6	21024	Wildcat		5/25/84	950	0	0
Page Petroleum Inc., 30-21N-06E, Bowman 13-30	6	21030	Wildcat		3/4/83	534	0	0
Page Petroleum Inc., 35-21N-06E, State 13-35	6	21031	Wildcat		3/10/83	760	0	0
Park Lane Exploration Inc., 36-17N-04E, State 1-36	6	21037	Wildcat		6/29/84	1,350	0	0
Virgil R. Chamberlain, 15-20N-02E, McKenna-Paskvan 4D-15	6	21036	Wildcat		11/4/83	1,323	0	0
Chouteau - 015								
Balcron Oil Co., 12-25N-12E, Trunk 2-12	6	21621	Wildcat		12/30/84	4,500	0	0
Balcron Oil Co., 29-23N-14E, Trunk 1-29	6	21622	Wildcat		12/10/84	4,500	0	0
J. Burns Brown Oper. Co., 20-25N-17E, Fed 20-25-17	6	21620	Wildcat		8/21/84	1,634	0	0
Montana Power Co., 28-27N-16E, Kane 3	2	21596	Bullwacker	Eagle	8/28/83	2,423	0	4,000
Montana Power Co., 26-27N-15E, IX Ranch B9-26	2	21603	Bullwacker	Judith River	8/6/83	2,210	0	110
Montana Power Co., 20-28N-14E, Beaudette 4	6	21612	Wildcat		9/29/83	2,334	0	0
Montana Power Co., 16-28N-14E, State 6	5	21613	Wildcat		10/9/83	3,900	0	0
Page Petroleum Inc., 08-21N-06E, Forder 11-8	6	21593	Wildcat		3/12/83	763	0	0
Viking Resources Corp., 15-27N-14E, State 2-15	5	21617	Little Creek Area***	Virgelle	11/21/83	2,211	0	1,455
Western Reserves Inc., 10-24N-07E, Teton 3-10	4	21618	Wildcat	Swift	12/9/83	1,930	2	0
Custer - 017								
Milestone Petroleum Inc., 10-12N-46E, Swayne 42-10	6	21167	Wildcat		11/24/84	7,900	0	0
Daniels - 019								
American Quasar Petroleum Co., 20-36N-47E, State 20-31	6	21071	Wildcat		8/31/84	6,480	0	0
Columbia Gas Dev. Corp., 15-33N-49E, Nyhus 15-1	6	21069	Wildcat		5/12/84	8,727	0	0
Davis Oil Co., 16-34N-50E, Eagle Creek 1	6	21068	Wildcat		3/31/84	10,285	0	0
Mission Ridge Enterprise, 23-37N-49E, Long Butte 1-23	6	21070	Wildcat		7/31/84	7,756	0	0
Mission Ridge Enterprise, 04-37N-49E, Long Butte 1-4	6	21072	Wildcat		9/13/84	9,400	0	0
S & W Petroleum Consultants, 31-35N-48E, A. Levang 31-1	6	21067	Wildcat		7/14/84	818	0	0
Dawson - 021								
Adobe Oil & Gas Corp., 22-19N-56E, Jarvis 43-22	1	21098	S Burns Creek Area	Red River	3/9/84	11,555	264	0
Gulf Oil Corp., 33-20N-53E, McGarty 1-33-3B	1	21095	Bloomfield	Dawson Bay	2/20/84	11,190	98	0
Gulf Oil Corp., 29-18N-55E, N. Glendive BN 1-29-1C	6	21099	Wildcat		2/26/84	9,990	0	0
Gulf Oil Corp., 09-20N-53E, Roth 1-9-4B	1	21100	Bloomfield	Dawson Bay	5/22/84	11,370	319	0
Gulf Oil Corp., 04-19N-53E, Joe Raisl 1-4-2B	8	21102	Bloomfield		7/6/84	11,150	0	0
Gulf Oil Corp., 08-20N-53E, Ewald 1-8-3B	3	21104	Bloomfield		8/8/84	11,400	0	0
Pend Oreille Oil & Gas Co., 35-19N-56E, Milestone Fee 1	3	21105	Burns Creek		11/10/84	11,494	0	0
Trans Pecos Resources, 06-21N-53E, Deckert & Senner 1-6	6	21093	Wildcat		8/3/83	11,400	0	0
Woods Petroleum Corp., 20-14N-56E, Fed 1-20	6	21097	Wildcat		6/29/84	9,618	0	0
Deer Lodge - 023								
Amoco Production Co., 25-06N-10W, Fee Jacobson 1	6	21001	Wildcat		6/17/84	11,774	0	0
Fallon - 025								
Bowers Oil & Gas Exploration, 31-03N-62E, Kreiger Fed 1-31	2	21258	Gaslight	Eagle	1/11/84	2,050	0	32
Bowers Oil & Gas Exploration, 33-04N-61E, Vollmer 2-33	5	21333	Gaslight**	Eagle	11/11/84	2,040	0	23
Bowers Oil & Gas Exploration, 18-05N-59E, Edmisten 2-18	6	21338	Wildcat		10/16/84	3,098	0	0
Cenergy Exploration Co., 05-10N-58E, Kirkwood-BN 33-5	1	21292	Cabin Creek	Red River	10/10/84	9,320	170	0
Cenergy Exploration Co., 31-11N-58E, Kirkwood-BN 44-31	1	21293	Cabin Creek	Red River A & B	8/25/84	9,294	45	0
Cenergy Exploration Co., 15-09N-59E, Kirkwood-BN 23-15	3	21345	Cupton		11/14/84	9,648	0	0
Cenergy Exploration Co., 20-08N-60E, Halmans 32-20	1	21334	Pennel	Upper Silurian	11/24/84	9,280	70	0
Challenger Minerals Inc., 09-07N-60E, Kirschten FIB 43-9	1	21285	Pennel	Red River B	9/28/84	8,994	31	0
Challenger Minerals Inc., 15-07N-60E, BN 41-15	1	21335	Lookout Butte	Red River B	10/29/84	9,156	63	0
Challenger Minerals Inc., 09-07N-60E, Kirschten 41-9	1	21340	Lookout Butte	Red River B	11/12/84	9,155	150	0
Challenger Minerals Inc., 10-07N-60E, Kirschten 12A-10	1	21341	Lookout Butte	Interlake	10/1/84	9,120	317	0
Challenger Minerals Inc., 23-07N-60E, Smith 32-23	1	21350	Lookout Butte	Red River B & C	12/16/84	9,217	80	0
Challenger Minerals Inc., 04-07N-60E, O'Donnell Fee 34-4	1	21352	Pennel Area	Red River B	12/25/84	9,160	40	0
Damson Oil Corp., 15-09N-59E, BN 22X-15R	1	21276	Cupton	Red River	3/22/84	9,670	34	0
Diamond Shamrock Exploration, 30-09N-60E, Schweigert 14-30	6	21330	Wildcat		10/3/84	9,785	0	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							OIL B/D	Gas MCF/D
Milestone Petroleum Inc., 11-09N-58E, BNI 11-11	1	21273	Monarch	Red River	2/25/84	9,308	30	0
Montana-Dakota Utilities Co., 03-06N-60E, BN 443	2	21319	Cedar Creek	Eagle	9/6/84	1,930	0	20
Montana-Dakota Utilities Co., 13-06N-60E, BN 444	2	21320	Cedar Creek	Eagle	10/11/84	1,897	0	14
Montana-Dakota Utilities Co., 16-06N-60E, State 445	2	21321	Cedar Creek	Eagle	10/11/84	1,943	0	06
Montana-Dakota Utilities Co., 19-06N-61E, BN 446	2	21322	Cedar Creek	Eagle	9/28/84	1,900	0	31
Montana-Dakota Utilities Co., 25-06N-60E, BN 447	2	21323	Cedar Creek	Eagle	9/13/84	1,800	0	26
Montana-Dakota Utilities Co., 27-06N-60E, BN 448	2	21331	Cedar Creek	Eagle	9/20/84	1,980	0	7
Saratoga Prod. Co., 26-09N-59E, State Exp. Halmans 1-26	1	21274	Cupton Area	Red River A & C	2/28/84	9,680	100	0
Shell Western E & P Inc., 27-11N-57E, Unit 41-27AR	1	21251	S Pine	Red River	3/16/84	9,174	80	0
Shell Western E & P Inc., 11-08N-59E, US 33-11	1	21253	Pennel	Red River	1/4/84	8,972	67	0
Shell Western E & P Inc., 29-07N-60E, Unit 33-29B	1	21255	Pennel	Stoney Mountain & Red River	3/6/84	8,820	55	0
Shell Western E & P Inc., 12-08N-59E, US 33-12	1	21259	Pennel	Red River	1/30/84	9,089	60	0
Shell Western E & P Inc., 21-05N-61E, BN 34-21	1	21262	Little Beaver	Red River	1/5/84	8,620	11	0
Shell Western E & P Inc., 29-04N-62E, Unit 22-29	1	21265	Little Beaver	Red River	1/25/84	8,657	42	0
Shell Western E & P Inc., 20-10N-58E, Unit 11-20WI	7	21266	Cabin Creek		2/28/84	9,024	0	0
Shell Western E & P Inc., 13-08N-59E, US 11-13	1	21268	Pennel	Red River	2/15/84	9,004	60	0
Shell Western E & P Inc., 24-04N-61E, US 44-24	1	21270	Little Beaver	Red River	3/30/84	8,623	16	0
Shell Western E & P Inc., 28-08N-60E, Unit 22-28C	1	21272	Pennel	Red River U4	2/27/84	9,157	232	0
Shell Western E & P Inc., 23-08N-59E, US 33-23R	1	21275	Pennel	Stoney Mountain & Red River	3/19/84	8,875	184	0
Shell Western E & P Inc., 20-08N-60E, Madler 33-20C	1	21280	Pennel	Red River	7/24/84	9,101	171	0
Shell Western E & P Inc., 06-07N-60E, Pennel Unit 42-6B	1	21281	Pennel	Stoney Mountain & Red River	7/14/84	8,319	185	0
Shell Western E & P Inc., 31-05N-61E, Unit BN 11-31	1	21282	Little Beaver	Red River	8/2/84	8,482	77	0
Shell Western E & P Inc., 20-08N-60E, Unit Devener 22-20CR	1	21283	Pennel	Red River U4	9/14/84	9,136	50	0
Shell Western E & P Inc., 12-08N-59E, Unit Goble 11-12	1	21284	Pennel	Red River U4	8/16/84	9,090	86	0
Shell Western E & P Inc., 02-04N-61E, US 23-2	1	21286	Little Beaver	Red River U2-U4	8/31/84	8,425	26	0
Shell Western E & P Inc., 11-08N-59E, US 11-11	1	21287	Pennel	Silurian & Red River	9/7/84	9,076	150	0
Shell Western E & P Inc., 10-08N-59E, US 33-10	1	21288	Pennel	Red River U4	12/12/84	8,870	19	0
Shell Western E & P Inc., 30-08N-60E, US 11-30C	1	21289	Pennel	Red River	11/10/84	9,002	148	0
Shell Western E & P Inc., 26-11N-57E, US 22-26A	1	21290	S Pine	Silurian & Red River	9/5/84	9,253	23	0
Shell Western E & P Inc., 19-07N-60E, Unit BN 33-19B	1	21314	Pennel	Red River	8/29/84	8,702	25	0
Shell Western E & P Inc., 29-08N-60E, Unit BN 33-29C	1	21315	Pennel	Red River U4	8/24/84	9,053	30	0
Shell Western E & P Inc., 21-10N-58E, Cabin Crk Un BN 24-21	1	21316	Cabin Creek	Red River	10/22/84	9,200	168	0
Shell Western E & P Inc., 28-10N-58E, US 13-28	1	21317	Cabin Creek	Silurian & Red River	11/15/84	8,933	331	0
Shell Western E & P Inc., 18-08N-60E, Pennel U Losing 44-18C	1	21324	Pennel	Red River	10/30/84	9,116	179	0
Shell Western E & P Inc., 30-08N-60E, Williams 33-30C	1	21325	Pennel	Stoney Mountain & Red River	11/28/84	9,028	181	0
Shell Western E & P Inc., 19-08N-60E, Pennel Unit BN 33-19C	1	21326	Pennel	Red River U4	9/27/84	9,044	14	0
Shell Western E & P Inc., 20-08N-60E, Pennel U-Dev-11-20C	1	21327	Pennel	Silurian & Red River	12/1/84	9,104	72	0
Shell Western E & P Inc., 36-08N-59E, State 31-36R	1	21328	Pennel	Stoney Mountain & Red River	9/27/84	8,885	270	0
Shell Western E & P Inc., 04-07N-60E, Pennel U Hep 22-4B	1	21329	Pennel	Red River U4	10/9/84	9,150	75	0
Shell Western E & P Inc., 30-07N-60E, Peters 31-30B	1	21332	Pennel	Mission Canyon, Stoney Mountain & Red River	11/14/84	8,800	170	0
Shell Western E & P Inc., 15-07N-60E, BN 21-15N	1	21342	Pennel	Silurian	12/18/84	9,219	341	0
Southland Royalty Co., 18-07N-61E, Barrett 2-18	1	21261	Fertile Prairie	Red River B	3/10/84	9,420	13	0
Wesco Operating Inc., 10-07N-60E, Kirschten 34-10	1	21279	Lookout Butte A	Red River B	6/29/84	9,100	98	0
William C. Kirkwood & Wesco, 10-07N-60E, Kirschten 14-10	1	21277	Pennel	Silurian	3/17/84	9,010	265	0
William C. Kirkwood & Wesco, 14-07N-60E, Hasty 14-14	1	21278	Lookout Butte A	Red River B	4/13/84	9,067	38	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
Fergus - 027								
Fuel Resources Dev Co., 26-23N-19E, R Knox M-26-23-19-N	2	21205	Leroy	Eagle	10/4/84	2,000	0	290
Fuel Resources Dev Co., 28-23N-19E, A-28-23-19-N	2	21206	Leroy	Eagle	10/6/84	1,900	0	850
Mitchell Energy Corp., 07-14N-18E, Maxwell 2-7	6	21201	Wildcat		10/4/84	1,607	0	0
National Oil Co., 14-18N-19E, McBurney 11-14	6	21203	Wildcat		12/31/83	2,567	0	0
Valero Producing Co., 02-14N-24E, L.D. Archer 1	6	21202	Wildcat		7/9/84	1,485	0	0
Flathead - 029								
Atlantic Richfield Co., 02-28N-27W, Gibbs 1	6	21002	Wildcat		10/2/84	17,774	0	0
Garfield - 033								
Milestone Petroleum Inc., 23-13N-33E, BN 12-23	4	21095	Wildcat	Lower Tyler	4/7/84	5,020	41	0
Milestone Petroleum Inc., 24-13N-33E, Fed 14-24	4	21096	Studhorse***	Stensvad	3/26/84	4,850	144	0
Milestone Petroleum Inc., 13-13N-33E, BN 14-13	6	21097	Wildcat		3/26/84	4,690	0	0
Milestone Petroleum Inc., 25-13N-33E, BN 11-25	8	21098	Wildcat		4/25/84	4,800	0	0
Milestone Petroleum Inc., 23-13N-33E, BN 21-23	6	21099	Wildcat		4/25/84	5,050	0	0
Milestone Petroleum Inc., 23-13N-33E, BN 11-23	8	21102	Studhorse		6/19/84	5,100	0	0
Milestone Petroleum Inc., 14-13N-33E, Fed 34-14	6	21103	Wildcat		6/12/84	4,850	0	0
Milestone Petroleum Inc., 23-13N-33E, BN 44-23	1	21104	Studhorse	Stensvad	7/25/84	4,940	2	0
Milestone Petroleum Inc., 14-13N-33E, Fed 14A-14	6	21106	Wildcat		7/10/84	4,980	0	0
Milestone Petroleum Inc., 24-13N-33E, Fed 13-24	3	21108	Studhorse		9/23/84	4,925	0	0
Milestone Petroleum Inc., 25-13N-33E, BN 11X-25	1	21110	Studhorse	Stensvad	11/1/84	4,850	250	0
Milestone Petroleum Inc., 28-13N-33E, Galt 33-28	6	21112	Wildcat		11/29/84	5,079	0	0
Milestone Petroleum Inc., 15-13N-33E, BN 34-15	6	21113	Wildcat		11/13/84	5,100	0	0
Phillips Oil Co., 06-13N-34E, Bedford B 1-6	6	21109	Wildcat		9/27/84	4,800	0	0
Glacier - 035								
Amoco Production Co., 35-30N-09W, Four Horns 1-35	6	21654	Wildcat		1/10/84	6,150	0	0
Atlantic Richfield Co., 07-30N-10W, Magee 1-7	6	21664	Wildcat		9/6/84	10,200	0	0
Beren Corp., 29-37N-08W, Blackfeet A 2	1	21631	Landslide Butte	Madison	4/7/84	4,931	6	0
Beren Corp., 29-37N-08W, Blackfeet A 3	4	21633	Wildcat	Madison	1/12/84	4,961	14	182
Beren Corp., 29-37N-08W, Blackfeet A 8	1	21706	Landslide Butte	Madison	11/5/84	4,915	1	0
Beren Corp., 19-37N-08W, Blackfeet 4	2	21707	Landslide Butte	Sun River	9/15/84	4,870	0	2
Berenergy Corp., 22-36N-08W, Tribal 22-2	4	21636	Buffalo Lake***	Sawtooth	9/9/83	4,989	13	0
Berenergy Corp., 30-37N-08W, Tribal A 30-3	1	21676	Landslide Butte	Madison	4/2/84	4,881	8	930
Berenergy Corp., 27-36N-08W, Tribal Chalk Butte 1	4	21677	Wildcat	Sawtooth	5/1/84	4,615	25	0
Berenergy Corp., 32-37N-08W, Tribal C 32-3	8	21697	Landslide Butte		9/11/84	4,930	0	0
Berenergy Corp., 04-36N-08W, Tribal Landslide 1	6	21701	Wildcat		8/5/84	4,850	0	0
Comanche Drilling Co., 23-37N-05W, Dial 6-23	1	21710	Cut Bank	Lower Cut Bank	10/19/84	2,670	35	0
Croft Petroleum Co., 11-37N-06W, Muntzing 704	7	21680	East Blackfoot		4/18/84	3,464	0	0
Finstad Petroleum Inc., 13-37N-09W, Thelan 1	1	21020	Landslide	Mississippian	4/3/84	4,726	10	0
Gypsy Highview Gathering Sys., 23-37N-05W, Kruger 13	1	21647	Cut Bank	Cut Bank	11/2/83	2,705	5	0
Gypsy Highview Gathering Sys., 23-37N-05W, Kruger 18	1	21650	Cut Bank	Cut Bank	10/24/83	2,720	8	0
Gypsy Highview Gathering Sys., 23-37N-05W, Kruger 14	1	21658	Cut Bank	Cut Bank	12/3/83	2,750	9	0
Gypsy Highview Gathering Sys., 23-37N-05W, Kruger 15	1	21660	Cut Bank	Cut Bank	12/13/83	2,680	85	0
Montana Power Co., 08-36N-06W, James Boy Heirs 11-8	2	21355	Big Rock	Blackleaf Area	8/21/84	2,035	0	0
Montana Power Co., 14-36N-05W, Peterson 14-14	2	21713	Cut Bank	Dakota, Cut Bank	11/29/84	2,730	0	4,000
Montana Power Co., 10-37N-07W, Tribal 355 11-10	2	21714	Reagan	Blackleaf	11/14/84	2,223	0	288
Mountain States Resources Inc., 15-37N-05W, State 15	1	21583	Graben Coulee	Sunburst	1/9/84	2,745	9	0
Mountain States Resources Inc., 15-37N-05W, State 17	1	21586	Graben Coulee	Sunburst	1/9/84	2,760	13	0
Mountain States Resources Inc., 15-37N-05W, State 18	1	21682	Graben Coulee	Cut Bank	5/14/84	2,728	8	0
Mountain States Resources Inc., 15-37N-05W, State 19	1	21696	Graben Coulee	Cut Bank	5/31/84	2,737	9	0
Union Oil Co. of CA, 36-35N-05W, Mather-State 3-C36	3	21634	Cut Bank		6/6/84	2,700	0	0
Union Oil Co. of CA, 36-35N-05W, Mather State 4-J36	3	21635	Cut Bank		6/5/84	2,409	0	0
Union Oil Co. of CA, 31-34N-05W, SCCBSU 16-2X	7	21683	Cut Bank		7/26/84	2,890	0	0
Union Oil Co. of CA, 36-34N-06W, SCCBSU 6-5X	7	21684	Cut Bank		7/21/84	2,972	0	0
Union Oil Co. of CA, 36-34N-06W, SCCBSU 5-2X	7	21685	Cut Bank		8/10/84	2,994	0	0
Union Oil Co. of CA, 36-34N-06W, SCCBSU 5-4S	7	21686	Cut Bank		7/17/84	2,999	0	0
Union Oil Co. of CA, 25-34N-06W, SCCBSU 10-2X	7	21687	Cut Bank		7/19/84	2,975	0	0
Union Oil Co. of CA, 25-34N-06W, SCCBSU 10-3	7	21688	Cut Bank		7/18/84	2,980	0	0
Union Oil Co. of CA, 31-34N-05W, SCCBSU 15-5	7	21689	Cut Bank		7/19/84	2,820	0	0
Union Oil Co. of CA, 31-34N-05W, SCCBSU 13B-2X	7	21690	Cut Bank		8/13/84	2,956	0	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
Union Oil Co. of CA, 31-34N-05W, SCCBSU 15-2X	7	21691	Cut Bank		8/15/84	2,880	0	0
Union Oil Co. of CA, 31-34N-05W, SCCBSU 17A-6	7	21692	Cut Bank		7/24/84	2,934	0	0
Union Oil Co. of CA, 30-34N-05W, SCCBSU 11-1X	7	21693	Cut Bank		7/21/84	2,950	0	0
Union Oil Co. of CA, 31-34N-05W, SCCBSU 13A-7	8	21694	Cut Bank		7/14/84	2,877	0	0
Union Oil Co. of CA, 30-34N-05W, SCCBSU 12-1X	7	21695	Cut Bank		7/25/84	2,871	0	0
Golden Valley - 037								
Montana Power Co., 07-05N-20E, Schaff 10-7	3	21062	Big Coulee		11/4/83	2,547	0	0
Granite - 039								
Energy Operating Corp., 09-10N-13W, Henderson 1	6	21004	Wildcat			6,297	0	0
Hill - 041								
J. Burns Brown Oper. Co., 26-33N-14E, Fed 26-33-14	2	22270	Badlands	Eagle	11/2/83	1,264	0	10
J. Burns Brown Oper. Co., 05-32N-15E, State 5-32-15C	5	22272	Wildcat		6/6/84	1,576	0	0
J. Burns Brown Oper. Co., 33-34N-17E, Paulsen 33-34-17	6	22276	Wildcat		5/5/84	1,455	0	0
J. Burns Brown Oper. Co., 22-34N-15E, Grant 22-34-15B	6	22281	Wildcat		5/8/84	1,576	0	0
J. Burns Brown Oper. Co., 33-34N-13E, Bonoven 33-34-13	6	22291	Wildcat		6/8/84	1,303	0	0
J. Burns Brown Oper. Co., 36-34N-14E, State 36-34-14B	6	22297	Wildcat		9/30/84	1,525	0	0
J. Burns Brown Oper. Co., 08-32N-17E, Anderson 8-32-17	6	22298	Wildcat		10/3/84	1,350	0	0
J. Burns Brown Oper. Co., 07-32N-17E, Clark 7-32-17	5	22299	Wildcat	Eagle	10/5/84	1,450	0	0
J. Burns Brown Oper. Co., 06-32N-17E, Jacob 6-32-17	6	22300	Wildcat		10/7/84	1,500	0	0
J. Burns Brown Oper. Co., 33-34N-17E, Paulsen 33-34-17B	6	22301	Wildcat		10/11/84	1,458	0	0
J. Burns Brown Oper. Co., 26-33N-14E, Ladd 26-33-14	2	22304	Badlands	Eagle	12/21/84	1,100	0	0
J. Burns Brown Oper. Co., 07-33N-11E, Aronow 7-33-11	2	22840	N Gildford	Sawtooth	12/11/84	3,507	0	1,380
LYTM Co. Inc., 33-34N-17E, Paulsen Livestock 33-3	6	22302	Wildcat		12/13/84	1,450	0	0
Montana Power Co., 01-37N-11E, Nagelhaus 2	6	22268	Wildcat		11/3/83	3,900	0	0
Montana Power Co., 05-37N-08E, Wolery 15-5	5	22290	Wildcat		6/20/84	3,658	0	0
Montana Power Co., 19-32N-15E, Runkel 13-19	2	22295	Tiger Ridge	Virgelle	9/8/84	1,270	0	500
Montana Power Co., 19-32N-15E, Runkel 16-19	2	22296	Tiger Ridge	Virgelle	9/6/84	1,268	0	1,000
Probe Oil Co., 26-34N-16E, Larson 26-34-16	6	22294	Wildcat		8/4/84	1,511	0	0
Tricentral United States Inc., 22-31N-17E, Olson 22-1	3	22273	Tiger Ridge		3/3/84	161	0	0
Tricentral United States Inc., 19-31N-16E, Armstrong 19-2	2	22278	Bullhook Unit	Eagle	6/14/84	1,500	0	775
Tricentral United States Inc., 01-30N-15E, Solomon 1-4	3	22279	Bullhook Unit		6/20/84	1,523	0	0
Tricentral United States Inc., 26-32N-14E, Wodarz 26-11	2	22280	Bullhook	Eagle	7/8/84	1,100	0	700
Tricentral United States Inc., 30-31N-16E, Manuel 30-8	2	22282	Bullhook	Eagle	6/18/84	1,600	0	0
Tricentral United States Inc., 24-31N-15E, Gregoire 24-7	2	22283	Bullhook Unit	Eagle	6/16/84	1,450	0	250
Tricentral United States Inc., 34-31N-15E, Herron 34-5	2	22284	Bullhook	Eagle	6/28/84	1,449	0	675
Tricentral United States Inc., 15-30N-15E, Nystrom 15-10	2	22285	Bullhook Unit	Eagle	6/23/84	1,730	0	1,550
Tricentral United States Inc., 21-30N-15E, Boyce 21-3	2	22286	Bullhook	Eagle	6/26/84	1,825	0	0
Tricentral United States Inc., 08-31N-15E, McIntosh 8-18	2	22287	Bullhook	Eagle	7/1/84	1,420	0	600
Tricentral United States Inc., 28-32N-15E, State 28-8	2	22289	Bullhook	Eagle	7/3/84	1,204	0	750
Txo Production Corp., 31-34N-15E, State 1	6	22274	Wildcat		4/9/84	1,608	0	0
Txo Production Corp., 16-34N-14E, State 1	6	22275	Wildcat		4/11/84	1,615	0	0
Western Natural Gas Co., 36-33N-13E, State 2-36	2	22271	Fresno	Eagle	11/10/83	1,200	0	300
Lewis & Clark - 049								
Amoco Production Co., 25-18N-07W, Nichols 1	6	21008	Wildcat		11/3/83	9,035	0	0
Atlantic Richfield Co., 22-17N-06W, Steinback 1	6	21010	Wildcat		10/6/84	11,916	0	0
Atlantic Richfield Co., 33-12N-03W, Silver Creek 1	6	21011	Wildcat		9/24/84	5,000	0	0
Sun E & P Co., 28-20N-07W, Sandy Butte State 1	6	21009	Wildcat		3/9/84	6,530	0	0
Liberty - 051								
Croft Petroleum Co., 30-37N-04E, Brown 1	2	21656	Whitlash	Bow Island	11/27/84	2,720	0	1,057
D.A.S. Resource Ventures Inc., 04-31N-05E, State 10-4	6	21650	Wildcat		11/11/83	2,697	0	0
Duard Rossmiller, 32-36N-04E, Beaudoin 2-32	5	21638	Wildcat		11/19/84	1,660	0	0
Elenburg Exploration Inc., 18-29N-04E, Gouchenour 8-18	6	21652	Wildcat		3/29/84	111	0	0
Great Northern Drilling Co., 15-33N-04E, Laas 42-15	3	21651	Utopia		1/13/84	2,270	0	0
Great Northern Drilling Co., 23-33N-04E, Alvord 41-23	1	21653	Utopia	Swift	8/1/84	2,540	6	0
Nelson G. Bingham, 13-37N-04E, Bingham 9-13	2	21657	Whitlash	Swift	11/9/84	2,830	0	50
Western Reserves Inc., 01-32N-06E, Shettle 1R	5	21649	Wildcat	Sawtooth	11/20/83	3,098	0	0
Wheless Drilling Co., 31-37N-04E, Demarest 1	3	21654	Trail Creek		10/4/84	2,819	0	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
McCone - 055								
Atlantic Richfield Co., 12-24N-48E, Arco-N Coal Creek 1-12	6	21170	Wildcat		5/14/84	9,576	0	0
Axem Resources Inc., 35-26N-42E, Plum Patch Fed 1-35	6	21165	Wildcat		3/1/84	7,200	0	0
Beartooth Oil & Gas Co., 35-24N-46E, Pinnacle Ranch 35-12	1	21161	Prairie Elk	Charles	2/7/84	6,369	23	0
Eastern American Energy Corp., 12-22N-46E, Shade Creek 1	6	21162	Wildcat		10/14/83	6,651	0	0
Eastern American Energy Corp., 22-23N-47E, Sand Creek 1	6	21163	Wildcat		11/1/83	6,675	0	0
Enserch Exploration Inc., 08-21N-48E, Connie Merud 1-8	6	21168	Wildcat		2/2/84	9,950	0	0
Enserch Exploration Inc., 03-21N-47E, BN McCone 1-3	1	21169	Wildcat	Dawson Bay & Interlake	5/31/84	9,954	15	0
Kimbark Oil & Gas Co., 17-22N-47E, Evergreen Nefzger 1	6	21167	Wildcat		1/15/84	6,881	0	0
Tom Brown Inc., 35-24N-50E, BN 35-11	6	21158	Wildcat		12/2/82	10,238	0	0
Madison - 057								
Texaco Inc., 18-07S-52E, J.S. Granger A 1	6	21008	Wildcat		12/21/84	8,585	0	0
Musselshell - 065								
Beartooth Oil & Gas Co., 10-10N-27E, Gunderson 1	1	21701	S Little Wall	Tyler	9/19/84	3,830	05	0
Beartooth Oil & Gas Co., 12-10N-27E, Hall 1	3	21702	S Little Wall		9/4/84	4,060	0	0
Damson Oil Corp., 03-08N-24E, Van Arsdale Hall 42X-3	1	21667	Mason Lake	Amsden	1/18/84	4,895	62	0
Damson Oil Corp., 03-08N-24E, Van Arsdale Hall 31X-3	1	21668	Mason Lake	Amsden	1/6/84	4,900	380	0
E. Doyle Huckabay Ltd., 16-11N-27E, State 14-16	6	21697	Wildcat		8/14/84	3,767	0	0
Elenburg Exploration Inc., 05-11N-24E, Mensing 1	3	21714	N Devils Basin		11/6/84	1,419	0	0
Exploration Ventures Co., 22-11N-27E, Exvenco Erin-K 1	6	21687	Wildcat		6/1/84	3,870	0	0
Exploration Ventures Co., 22-10N-27E, Exvenco Jim Fisher 1	6	21688	Wildcat		2/2/84	3,810	0	0
Marnell Resources Inc., 05-11N-24E, Fed 1	1	21681	Devils Basin	Tyler Area	1/11/84	1,201	37	0
Murphy Drilling Corp., 06-10N-25E, Holman 3-2	3	21534	Devils Basin		12/15/80	840	0	0
Murphy Drilling Corp., 06-10N-25E, Holman 3-R	8	21550	Devils Basin		4/23/81	2,030	0	0
Murphy Drilling Corp., 05-10N-25E, Co-Can-BN 2-5	1	21661	Devils Basin	Heath	10/17/84	2,260	5	0
Petroleum Inc., 07-10N-27E, BN 1	3	21710	Big Wall		10/9/84	3,625	0	0
S & L Energy Inc., 02-08N-24E, Fed 11-2	1	21690	Mason Lake	Amsden	6/29/84	4,882	37	0
Smoky Hill Exploration Co., 20-11N-27E, Foxley-Musshell 1-20	4	21695	Wildcat	Lower Tyler Area	9/4/84	3,846	54	0
Smoky Hill Exploration Co., 20-11N-27E, Foxley 2-20	6	21713	Wildcat		10/27/84	3,810	0	0
Texas Gas Exploration Corp., 12-10N-28E, Wasmeier 33-12	3	21705	Kelly		9/23/84	4,300	0	0
Westburne Exploration Inc., 25-10N-29E, Hougen Land 1-25	6	21698	Wildcat		9/17/84	4,400	0	0
Westburne Exploration Inc., 22-10N-30E, Hougen Land 1-22	6	21704	Wildcat		9/29/84	5,125	0	0
Park - 067								
Amoco Production Co., 14-03N-08E, McCombs 1	6	21008	Wildcat		12/28/83	5,683	0	0
Petroleum - 069								
Black Eagle Oper. Co. Inc., 17-17N-24E, Sharptail 1	6	21112	Wildcat		9/10/84	6,980	0	0
Champlin Petroleum Co., 16-13N-28E, State Rattler 43-16 1	1	21109	Rattlesnake Butte	2nd Cat Creek	7/19/84	7,356	68	0
Soape Drilling Co. Inc., 26-14N-26E, Floyd & Viola Hill 1-26	6	21110	Wildcat		4/24/84	2,780	0	0
Soape Drilling Co. Inc., 34-14N-26E, King & Sons 34-1	6	21111	Wildcat		4/6/84	1,410	0	0
Phillips - 071								
Anschutz Corp., 31-35N-30E, Dyrda 1	6	21612	Wildcat		6/23/78	1,880	0	0
Midlands Gas Corp., 24-32N-31E, 2421 2	2	21899	Ashfield	Phillips	8/9/84	1,220	0	674
Midlands Gas Corp., 12-32N-31E, 1221 2	2	21900	Ashfield	Phillips	8/8/84	1,250	0	1,502
Midlands Gas Corp., 24-35N-31E, 2451 Fed 2	2	21901	Bow Whitewater U	Greenhorn, Phillips	8/28/84	1,410	0	520
Midlands Gas Corp., 36-35N-31E, 3651 2	2	21902	Bow Whitewater U	Greenhorn, Phillips	8/28/84	1,400	0	588
Midlands Gas Corp., 12-36N-30E, 1260 Fed 2	2	21903	Bowdoin Loring	Bowdoin	8/31/84	1,678	0	391
Midlands Gas Corp., 07-36N-31E, 0761 2	2	21904	Bowdoin Loring	Greenhorn, Phillips				
				Bowdoin	9/5/84	1,835	0	1,270
Midlands Gas Corp., 18-36N-31E, 1861 2	2	21905	Bowdoin Loring	Bowdoin	9/5/84	1,660	0	369
Midlands Gas Corp., 24-33N-33E, 2433 2	2	21906	East Whitewater	Phillips	8/14/84	1,420	0	337
Midlands Gas Corp., 31-33N-34E, 3134 2	2	21907	East Whitewater	Phillips	8/14/84	1,300	0	986
Midlands Gas Corp., 10-31N-32E, 0112 2	2	21908	Ashfield	Phillips	8/8/84	1,200	0	841
Midlands Gas Corp., 08-31N-32E, 0812 2	2	21909	Ashfield	Phillips	6/19/84	1,200	0	61
Midlands Gas Corp., 19-33N-34E, 1934 2	2	21910	E Whitewater	NA	8/15/84	1,450	0	529
Midlands Gas Corp., 15-32N-31E, 1521 2	2	21911	Ashfield	Phillips	8/9/84	1,200	0	547
Midlands Gas Corp., 29-33N-34E, 2934 2	2	21912	E Whitewater	Phillips	8/15/84	1,400	0	531

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
Midlands Gas Corp., 25-33N-33E, 2533 2	2	21913	E Whitewater	Phillips	8/14/84	1,340	0	782
Midlands Gas Corp., 09-31N-32E, 0912 2	2	21918	Bowdoin	Phillips	8/7/84	1,200	0	966
Midlands Gas Corp., 02-37N-30E, 0270 2	2	21919	Bowdoin Loring	Greenhorn, Phillips	8/16/84	1,964	0	819
Midlands Gas Corp., 09-36N-31E, 0961 Fed 2	2	21920	Bowdoin Loring	Bowdoin	8/31/84	1,755	0	505
Midlands Gas Corp., 30-33N-34E, 3034 2	2	21921	E Whitewater	Phillips	8/15/84	1,410	0	842
Midlands Gas Corp., 06-36N-31E, 0661 2	2	21922	Bowdoin Loring	Bowdoin	9/5/84	1,800	0	620
S & J Oper. Co., 19-35N-32E, 1952-2 Fed 2	3	21896	East Loring		3/28/83	1,475	0	0
S & J Oper. Co., 30-35N-32E, 3052 2	2	21914	Bowdoin	Phillips, Greenhorn	9/11/84	1,400	0	206
S & J Oper. Co., 19-35N-32E, 1952 3	2	21915	Bowdoin	Phillips, Greenhorn	9/11/84	1,475	0	179
S & J Oper. Co., 17-35N-32E, Laroche-Harrison Trust 2-17 2	2	21916	Bowdoin	Phillips, Greenhorn	9/12/84	1,550	0	470
S & J Oper. Co., 13-31N-32E, Fed 1312 2	2	21917	Bowdoin	Phillips, Greenhorn	9/12/84	1,200	0	603
Southland Royalty Co., 24-33N-32E, 2432 Fed 2	2	21923	Whitewater	Phillips	9/12/84	1,350	0	279
Southland Royalty Co., 36-33N-33E, 3633 State 2	2	21924	E Whitewater	Phillips	9/11/84	1,300	0	988
Southland Royalty Co., 09-25N-32E, 0952 Fed 2	2	21925	East Loring	Phillips	9/11/84	1,930	0	220
Pondera - 073								
Adrian G. Walls, 28-27N-02W, Canadian Fortune Brady 2	3	21672	Brady		3/3/84	1,550	0	0
Balcron Oil Co., 28-29N-01W, J. Keil 1-28	5	21683	Wildcat	Bow Island	10/30/84	649	0	30
Balcron Oil Co., 19-30N-01W, Keil Ranch 3b-19	2	21686	Ledger	Bow Island	11/4/84	1,057	0	245
Cardinal Drilling Co., 05-28N-04W, State 1-5	6	21663	Wildcat		8/17/83	4,225	0	0
Carson Oil & Exploration Inc., 31-28N-04W, Kellogg 8	1	21675	Pondera	Madison	5/2/84	2,136	2	0
Carson Oil & Exploration Inc., 31-28N-04W, Kellogg 9	1	21684	Pondera	Madison	11/5/84	2,121	3	0
Carson Oil & Exploration Inc., 31-28N-04W, Kellogg 10	1	21685	Pondera	Madison	12/3/84	2,148	14	0
Carson Oil & Exploration Inc., 31-28N-04W, Kellogg 11	1	21688	Pondera	Madison	12/22/84	2,141	12	0
Comanche Drilling Co., 06-28N-04W, Gernaat Land-Lvstk 1-6	6	21671	Wildcat		1/30/84	4,065	0	0
Croft Petroleum Co., 16-26N-02E, State 1	6	21674	Wildcat		5/23/84	3,749	0	0
Frontier Exploration Co., 14-29N-02W, Fed 2-14	3	21677	Ledger		6/2/84	1,307	0	0
George L. Campanella, 05-27N-04E, Aakre 8	1	21669	Pondera	Madison, Limestone	1/3/84	2,095	20	0
George L. Campanella, 05-27N-04W, Aare 10	1	21670	Pondera Field	Madison, Limestone	2/15/84	2,096	72	0
George L. Campanella, 20-28N-04W, Lindberg 1	6	21678	Wildcat		8/7/84	2,688	0	0
Hawley Oil Co., 09-27N-04W, Haber 4	1	21615	Pondera	Madison	12/8/84	2,055	9	0
Jerry L. Branch, 31-28N-04W, Agen 10-31-1	1	21680	Pondera	Madison	8/30/84	2,103	4	0
Jerry L. Branch, 31-28N-04W, Agen 11-31-2	1	21687	Pondera	Madison	12/7/84	2,105	3	0
LYTM Co. Inc., 12-26N-01E, Habel 12-26-1	6	21681	Wildcat		9/1/84	730	0	0
Virgil R. Chamberlain, 28-28N-05W, Sprague 14D 28	6	21157	Wildcat		7/9/75	2,925	0	0
Powder River -075								
Anschutz Corp., 05-09S-52E, Coquina Fed 1-5	6	22106	Wildcat		7/15/83	7,150	0	0
Cities Service Oil & Gas Co., 35-09S-53E, Garst A 1	3	22116	Bell Creek		9/22/84	6,487	0	0
D.A.S. Resource Ventures Inc., 02-09S-51E, Rumph 1	6	22105	Wildcat		6/28/83	5,650	0	0
Gary Williams Oil Producer, 27-09S-53E, MSU Ranch Crk 27-26	1	22112	Bell Creek	Muddy	11/14/84	4,550	0	0
Gary Williams Oil Producer, 27-09S-53E, MSU Ranch Crk 27-25	1	22113	Bell Creek		11/2/84	4,545	0	0
Moore Oper., 25-09S-54E, Cadwell-Hoeger-Allemand 1-25	6	22110	Wildcat		12/18/83	4,550	0	0
O'Hare Energy Corp., 09-08S-53E, Anderson-Fed A 7	1	22115	Wright Creek	Muddy	10/20/84	4,780	32	0
O.F. Duffield, 31-05S-45E, Forest Fed 1-31	6	22102	Wildcat		4/9/83	7,247	0	0
True Oil Co., 10-04S-54E, Thompson State 44-10	6	22120	Wildcat		11/29/84	6,310	0	0
True Oil Co., 35-08S-52E, Fortner 11-35	6	22121	Wildcat		12/19/84	6,880	0	0
True Oil Co., 29-08S-52E, Rue 23-29	6	22124	Wildcat		12/27/84	7,275	0	0
True Oil Co., 11-08S-50E, Rumph 31-11	6	22126	Wildcat		1/2/85	7,905	0	0
Txo Production Corp., 14-09S-54E, Reilley B 1	3	22111	Bell Creek		4/20/84	4,550	0	0
Powell - 077								
Amoco Production Co., 31-07N-09W, Johnson 1	6	21001	Wildcat		1/13/82	10,322	0	0
Amoco Production Co., 02-07N-10W, State 1	6	21002	Wildcat		7/27/84	6,411	0	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
Richland - 083								
BWAB Inc., 23-22N-59E, Rau 1-R	6	21058	Wildcat		7/9/80	11,096	0	0
Cenergy Exploration Co., 22-26N-59E, Rasmussen 1-22	1	21687	Nohly	Ratcliffe	1/23/84	12,895	151	0
Cenergy Exploration Co., 09-23N-55E, Swenseid 1-9	1	21695	Box Canyon	Red River	5/10/84	11,975	142	0
Cenergy Exploration Co., 23-26N-59E, Niles 1-23	3	21701	Nohly		3/30/84	9,506	0	0
Cenergy Exploration Co., 26-26N-59E, Filler 1-26	1	21704	Nohly	Nisku	4/28/84	10,755	175	0
Cenergy Exploration Co., 07-26N-59E, Storvik 1-7	4	21708	N Sioux Pass**	Red River	5/19/84	12,925	189	0
Cenergy Exploration Co., 27-26N-59E, Rasmussen 2-27	1	21719	Nohly	Nisku	8/11/84	10,765	400	0
Cenergy Exploration Co., 22-26N-59E, Burgess 2-22	1	21724	Nohly Area	Ratcliffe	8/13/84	9,530	40	0
Cenergy Exploration Co., 35-26N-55E, F & J Thpsn Inc. 41-35	6	21728	Wildcat		9/30/84	12,139	0	0
Cenex, 30-23N-60E, SWD 5-30	7	21681	Mon-Dak West		5/20/83	5,650	0	0
Coastal Oil & Gas Corp., 13-25N-53E, Cogg 13-25-53 Dennis Iv	6	21648	Wildcat		1/21/84	11,500	0	0
Consolidated Oil & Gas Inc., 29-25N-59E, Engen 1a	1	21696	Fairview	Red River	2/17/84	12,852	13	0
Consolidated Oil & Gas Inc., 20-25N-59E, Candee 1-20	1	21721	Fairview	Ratcliffe	7/14/84	12,758	14	0
Davis Oil Co., 30-23N-58E, North Spring Coulee 1	3	21698	East Putnam		3/2/84	9,500	0	0
Donald C. Slawson, 07-26N-59E, Borg 1-7	6	21715	Wildcat		11/17/84	12,850	0	0
Donald C. Slawson, 09-26N-59E, Doyle 1-9	4	21717	Cottonwood***	Red River	8/24/84	12,870	292	0
Getty Oil Co., 17-22N-57E, Lambert 17-13	4	21706	Corner Pocket***	Red River C	6/13/84	12,380	23	0
Gulf Oil Corp., 03-21N-56E, Theissen 2-6-3D	6	21699	Wildcat		2/2/84	12,264	0	0
HNG Oil Co., 14-21N-59E, Franzer Fed. 14 Com 1	4	21710	Gossett A***	Mission Canyon	5/22/84	12,477	108	0
Irex Oper. Co., 16-26N-58E, State 16-1	1	21725	N Sioux Pass	Red River C	12/17/84	12,710	280	0
Kerry Petroleum Co. Inc., 10-23N-57E, Sawyer 1-10	6	21714	Wildcat		5/8/84	12,485	0	0
Kerry Petroleum Co. Inc., 34-26N-58E, Grosvold 1-34	1	21720	Otis Creek	Red River	8/8/84	12,712	32	0
Louisiana Land & Exploration, 14-24N-54E, William Stotts 1	6	21507	Wildcat		7/13/81	11,800	0	0
Louisiana Land & Exploration, 26-23N-55E, Oberson 24-26 1	3	21679	Lambert Area		12/3/83	11,962	0	0
Milestone Petroleum Inc., 05-21N-59E, BN 24-5	1	21697	Gossett	Ratcliffe	6/2/84	12,380	16	0
Mission Ridge Enterprise, 08-23N-58E, Sunwall 1-8	3	21705	Brorson		4/15/84	12,540	0	0
Pennzoil Co., 27-26N-59E, Cayko 1	3	21694	Nohly		1/15/84	10,675	0	0
Pennzoil Co., 27-26N-59E, Cayko 2	1	21703	Nohly	Red River	4/17/84	13,047	121	0
Shell Western E & P Inc., 12-23N-59E, Bidegaray 4	3	21707	Ridgelawn		6/18/84	12,600	0	0
Sun E & P Co., 30-24N-58E, D.M. Anderson 1	1	21702	Brorson	Mission Canyon	6/8/84	9,700	42	0
Sun E & P Co., 22-24N-57E, W.L. McMillen 1	6	21716	Wildcat		8/13/84	12,700	0	0
Sun E & P Co., 06-25N-54E, Amestoy 1	1	21723	Charlie Creek A	Red River	9/15/84	11,350	13	0
Superior Oil Co., 17-25N-59E, Labonte 1-17	1	21712	Fairview	Red River C	9/10/84	12,636	91	0
Superior Oil Co., 12-25N-58E, Christiansen 12-34	1	21722	Fairview	Red River	7/27/84	12,700	59	0
Texaco Inc., 26-22N-57E, Urgel Bouchard 1	3	21686	Intake V		10/9/83	12,320	0	0
Texaco Inc., 16-22N-58E, State of Montana N 1	1	21692	N Fox Creek A	Stoney Mountain	3/14/84	12,400	33	0
Texaco Inc., 01-22N-59E, C.S. Lien, NCT-1, 3	1	21693	Mon-Dak W Area	Mission Canyon & Ratcliffe	4/7/84	9,273	83	0
Texaco Inc., 12-22N-59E, Fed Land Bank of Spokane 4	1	21700	Mon Dak West	Mission Canyon	2/16/84	9,132	80	0
Woods Petroleum Corp., 18-23N-58E, Larson 1-18	6	21727	Wildcat		12/8/84	12,475	0	0
Roosevelt - 085								
Anadarko Production Co., 13-29N-47E, Two Bulls A-1	6	21454	Wildcat		2/12/84	7,403	0	0
Anschutz Corp., 30-31N-47E, Nelson Sandeen 2-30	6	21441	Wildcat		11/5/83	7,671	0	0
Cenergy Exploration Co., 26-29N-56E, Salvevold 1-26	4	21459	W McCabe***	Red River	5/20/84	12,400	277	0
Century Oil & Gas Corp., 27-29N-50E, Hibi 27-9	3	21374	NW Poplar		4/11/84	5,999	0	0
Century Oil & Gas Corp., 20-29N-50E, Mason 20-5	3	21414	NW Poplar		10/22/83	6,179	0	0
Century Oil & Gas Corp., 15-29N-50E, Benson-Droke 15-14	1	21425	NW Poplar	Charles C	2/11/84	6,220	15	0
Century Oil & Gas Corp., 20-29N-50E, Clark Swd 1	7	21429	NW Poplar	Dakota	1/3/84	3,875	0	0
Century Oil & Gas Corp., 20-29N-50E, Clark 20-15	3	21450	NW Poplar		4/17/84	6,167	0	0
Century Oil & Gas Corp., 04-29N-50E, Tribal 4-10	1	21486	NW Poplar	Charles C	9/12/84	6,350	32	0
Columbia Gas Dev. Corp., 04-29N-46E, Smith 4-1	6	21465	Wildcat		6/13/84	8,730	0	0
Credo Petroleum Corp., 26-31N-48E, MacDonald 1	3	21452	W Long Creek		1/24/84	7,830	0	0
Donald C. Slawson, 13-28N-58E, Granley 1-13	6	21444	Wildcat		1/18/84	12,770	0	0
Donald C. Slawson, 02-27N-58E, Larsen Farms 1-2	1	21467	Bainville II	Red River	8/11/84	12,730	246	0
Evergreen Resources Inc., 22-30N-46E, King 1-22	6	21443	Wildcat		2/1/84	7,538	0	0
Exeter Exploration Co., 26-30N-57E, Bertelson 7-26	8	21475	Shotgun Creek		9/6/84	9,409	0	0
Exeter Exploration Co., 22-30N-57E, Christensen 16-22	1	21476	Shotgun Creek	Ratcliffe, Midale	9/25/84	9,260	80	0
Exxon Corp., 31-32N-46E, Treasure State Farms 1	6	21435	Wildcat		11/20/83	7,365	0	0
Grace Petroleum Corp., 10-29N-50E, Goings 10-16	3	21263	NW Poplar		4/24/81	6,240	0	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
Gulf Oil Corp., 12-27N-57E, Dethman 1-12-3D	1	21460	W Bainville	Red River	6/11/84	12,760	213	0
Gulf Oil Corp., 29-30N-52E, Wellington 1-29-3A	6	21461	Wildcat		6/23/84	10,465	0	0
Harper Oil Co., 35-29N-52E, Cleveland Estate 15-35	6	21456	Wildcat		3/25/84	8,700	0	0
Harper Oil Co., 26-30N-57E, John W. Luft 4-26	1	21464	Shotgun Creek	Ratcliffe	6/9/84	9,280	235	0
Harper Oil Co., 10-29N-58E, Picard 1-10	1	21471	Target	Ratcliffe	9/25/84	9,560	100	0
HNG Oil Co., 03-29N-49E, Tribal 3-1	6	21405	Wildcat		7/19/83	7,670	0	0
Hunt Oil Co., 22-31N-51E, Beale 1-22	6	21484	Wildcat		9/25/84	10,220	0	0
John L. Cox, 20-31N-47E, Credo-McWhirter 1-20	6	21470	Wildcat		6/23/84	7,640	0	0
Nance Petroleum Corp., 04-28N-57E, Johnson Trust 4-4	6	21480	Wildcat		12/27/84	12,550	0	0
Patrick Petroleum Corp., 05-28N-59E, Crusch 22-5	1	21448	S Red Bank	Red River	6/19/84	13,150	57	0
Phillips Oil Co., 33-30N-50E, Long Creek Fee 1-33	1	21416	NW Poplar	Charles	7/12/83	7,741	70	0
Phillips Oil Co., 28-30N-50E, Long Creek Fee 2-28	1	21433	NW Poplar	Charles C	2/24/84	6,470	283	0
Phillips Oil Co., 32-30N-50E, Long Creek Fee 2-32	1	21438	NW Poplar	Charles C	2/4/84	6,470	6	0
Phillips Oil Co., 33-30N-50E, Long Creek Fee 3-33	1	21445	NW Poplar	Charles C	8/11/84	6,390	320	0
Phillips Oil Co., 32-30N-50E, Long Creek 4-32	1	21446	NW Poplar	Charles C	8/2/84	6,445	320	0
Phillips Oil Co., 05-29N-50E, Long Creek Fee 1-5	3	21447	NW Poplar		1/16/84	7,760	0	0
Phillips Oil Co., 05-32N-50E, Stentoft A-1	8	21453	Wildcat		3/29/84	8,660	0	0
Phillips Oil Co., 32-30N-50E, Long Creek Fee 3-32	1	21455	NW Poplar	Charles C	3/23/84	6,380	178	0
Phillips Oil Co., 05-29N-50E, Long Creek Fee 2-5	1	21457	NW Poplar	Charles C	7/13/84	6,450	164	0
Phillips Oil Co., 33-30N-50E, Long Creek Fee 2-33	1	21485	NW Poplar	Charles C	10/5/84	6,483	166	0
Phillips Oil Co., 29-30N-50E, Long Creek Fee 1-29	1	21487	NW Poplar	Charles C	10/21/84	6,475	218	0
Phillips Petroleum Co., 35-30N-58E, Crusch I 1-35	3	21437	Target Area		1/19/84	9,565	0	0
Pintail Petroleum, Ltd., 06-30N-48E, Anderson 1	1	21488	E Benrud A	Nisku	11/15/84	7,660	48	0
Prosper Energy Corp., 26-29N-46E, Bend-Tribal 26-1	6	21436	Wildcat		3/2/84	8,419	0	0
Puma Petroleum Co., 21-29N-59E, Horob 1-21	3	21297	Red Bank		11/7/82	9,735	0	0
Quintana Petroleum Corp., 25-28N-48E, Schwinden 1-25	6	21474	Wildcat		9/19/84	7,515	0	0
Robert Schulein, 21-30N-48E, Fort Peck 15-21	1	21432	Chelsea Creek	Nisku	1/19/84	7,800	45	0
Solar Petroleum Inc., 21-31N-48E, McAlpin 1	3	21419	NE Benrud		5/11/83	7,936	0	0
Stauffer Oil & Gas Inc., 21-29N-50E, Brown Hunt 21-5	1	21469	NW Poplar	Charles C	10/28/84	6,210	30	0
Sun E & P Co., 27-28N-58E, Community of Bainville 27-13	4	21039	Wildcat	Winnipegosis	9/28/84	12,489	80	0
Sun E & P Co., 27-28N-58E, Berwick 1	1	21473	Bainville	Red River	11/5/84	12,466	202	0
T Bar S Oil Inc., 09-31N-48E, Brookman 1	6	21490	Wildcat		11/5/84	7,898	0	0
Tenneco Oil Co., 01-28N-58E, Crusch 1-1	6	21404	Wildcat		11/22/83	13,250	0	0
Transcontinental Oil Corp., 26-28N-58E, Simard Fee 26-16	1	21430	Bainville	Winnipegosis	2/6/84	12,473	117	0
Vanderbilt Resources Corp., 18-29N-49E, K.D. Zimmerman 1	6	21477	Wildcat		8/17/84	7,750	0	0
Xplor Energy Corp., 05-30N-57E, Krogedal 23-5	1	21458	Singletree	Winnipegosis	6/2/84	12,130	158	0
Rosebud - 087								
Cabot Petroleum Corp., 14-09N-31E, Wilson 6-14	6	21551	Wildcat		5/23/84	5,981	0	0
Coastal Oil & Gas Corp., 34-13N-33E, Cogc 34-13-33 Galt 1	1	21548	Breed Creek	Tyler	3/21/84	4,980	9	0
Coastal Oil & Gas Corp., 34-13N-33E, Cogc 34-13-33 Galt 2	1	21550	Breed Creek	Tyler	8/8/84	5,000	14	0
Davis Oil Co., 30-05S-44E, Poker Jim Fed 1	6	21546	Wildcat		2/20/84	7,752	0	0
E. Doyle Huckabay, Ltd., 31-12N-32E, Kincheloe Et Ux 9-31	1	21532	W Kincheloe	Tyler	11/6/83	5,463	3	0
E. Doyle Huckabay, Ltd., 29-12N-32E, Kincheloe 1-29	6	21562	Wildcat		11/8/84	5,334	0	0
Eastern American Energy Corp., 04-09N-33E, Messer 2	3	21555	Hibbard		11/18/84	5,235	0	0
Enstar Petroleum Co., 30-12N-33E, Mesa Fed 30-5	3	21547	Rattler Butte		1/20/84	5,572	0	0
Milestone Petroleum Inc., 33-13N-33E, BN 43-33	3	21544	Breed Creek		2/18/84	5,000	0	0
Milestone Petroleum Inc., 33-13N-33E, BN 34-33	6	21563	Wildcat		12/12/84	5,020	0	0
Milestone Petroleum Inc., 32-13N-34E, Fed 11-32	6	21570	Wildcat		12/24/84	4,830	0	0
Petroleum Inc., 17-11N-33E, Grebe 1	1	21538	Sumatra	Tyler C	11/28/83	4,950	10	0
Petroleum Inc., 08-11N-33E, Schneiter 1	6	21549	Wildcat		4/9/84	6,091	0	0
Petroleum Inc., 16-10N-32E, Valero State 1	6	21559	Wildcat		12/31/84	5,480	0	0
R. Allen, 19-12N-33E, BN, 19-7	6	21552	Wildcat		6/9/84	5,380	0	0
R. Allen, 19-12N-33E, BN, 19-10	6	21565	Wildcat		12/2/84	5,480	0	0
True Oil Co., 32-12N-33E, Edwards Lot 10-32	3	21542	Breed Creek		1/13/84	5,935	0	0
True Oil Co., 11-12N-33E, 71 Ranch 21-11	3	21545	Breed Creek		1/6/84	5,000	0	0
Valero Producing Co., 10-10N-32E, Jochimsen 13-10 1	4	21560	Rosebud**	Tyler	12/6/84	5,355	46	0
Sheridan - 091								
Amerada Hess Corp., 21-37N-54E, Larter 21-41	4	21544	N Raymond A***	Red River C	9/15/84	10,350	178	0
Atlantic Richfield Co., 24-32N-58E, Arco-Willie Bee 3	1	21522	Dwyer Red River	Red River C	1/19/84	11,825	300	0
Atlantic Richfield Co., 24-32N-58E, Arco-Willie Bee 4	1	21530	Dwyer	Interlake	3/26/84	11,218	670	0
Atlantic Richfield Co., 25-32N-58E, Arco-Willie Bee 5	1	21540	Dwyer	Red River C	5/22/84	11,850	11	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
Beaxon Exploration Co., 08-33N-58E, Guenther 1-8	4	21536	Wildcat	Red River	5/1/84	11,352	185	0
Berenergy Corp., 34-37N-58E, Stubbe 1	4	21548	E Flatlake***	Ratcliffe	7/14/84	10,603	21	0
Bwab Inc., 19-37N-57E, Mabel 19-34	3	21561	Flat Lake		11/23/84	10,550	0	0
Cenergy Exploration Co., 21-33N-58E, Sampson 1-21	1	21510	Clear Lake	Ratcliffe				
				Mission Canyon	3/24/84	11,480	56	0
Cenex, 15-32N-58E, Vik 8-15	6	21535	Wildcat		3/18/84	11,675	0	0
Donald C. Slawson, 29-32N-58E, Union Mortgage 1-29	1	21525	Katy Lake	Red River	7/17/84	11,680	118	0
Enserch Exploration Inc., 08-35N-57E, Milestone-Dahl 1-8	6	21552	Wildcat		9/24/84	11,000	0	0
Enserch Exploration Inc., 19-35N-58E, Petersen-Wright 1-19	1	21555	Goose Lake	Ratcliffe	10/8/84	7,400	33	0
Frank I. Hiestand DBA Saratoga, 05-33N-56E, Olson 1-5	6	21523	Wildcat		1/13/84	11,250	0	0
General Atlantic Energy Corp., 02-34N-57E, Spoklie 1-2	6	21524	Wildcat		2/16/84	7,575	0	0
Grace Petroleum Corp., 23-36N-52E, Loucks 23-1	4	21519	Outlook Area***	Winnipegosis	1/20/84	9,805	1,000	0
Grace Petroleum Corp., 23-36N-52E, Ruegsegger 23-2	1	21543	Middle Outlook	Winnipegosis	6/26/84	9,909	463	0
Grace Petroleum Corp., 26-36N-52E, Outlook Wdw 1	7	21545	Outlook	Dakota	6/7/84	4,300	0	0
Helmerich & Payne Inc., 23-34N-55E, Romstad Farms 1-23	6	21538	Wildcat		4/7/84	10,960	0	0
Hunt Oil Co., 21-36N-57E, Hensler 1-21	4	21560	S Comertown***	Red River C & D	10/20/84	11,000	379	0
Louisiana Land & Exploration, 30-35N-57E, Lindblom 41-30 1	3	21506	W Goose Lake		8/23/84	11,165	0	0
Milestone Petroleum Inc., 25-35N-55E, Aasheim 13-25	4	21551	Plentywood A***	Winnipegosis	10/2/84	10,875	73	0
Nance Petroleum Corp., 10-31N-58E, Hoff 14-10	6	21563	Wildcat		11/26/84	12,150	0	0
Primary Fuels Inc., 35-34N-57E, Morris Nielsen 1	3	21517	Lowell Area		11/20/83	7,800	0	0
Sheridan Water Disposal Inc., 17-32N-56E, Hjort 32-17	7	21454	Wildcat		6/26/82	6,800	0	0
Southport Exploration Inc., 02-33N-55E, Hansen 2-2	1	21542	E Green Coulee A	Interlake	7/8/84	10,950	600	0
Sun E & P Co., 11-33N-55E, Donna J. Chase 1	3	21520	Wakea		2/6/84	10,950	0	0
Sun E & P Co., 22-32N-56E, B. Benson 6	1	21521	Medicine Lake	Gunton	4/26/84	11,406	85	0
Sun E & P Co., 06-33N-56E, Maline Eidsness 1	6	21531	Wildcat		3/3/84	11,000	0	0
Sun E & P Co., 12-33N-55E, Holje 2	1	21547	Wakea	Red River	11/1/84	10,898	199	0
Sun E & P Co., 02-32N-58E, P. Siggard 1	4	21553	S Clear Lake**	Red River	10/7/84	11,500	251	0
Xplor Energy Corp., 19-36N-58E, Hove 33-19	4	21527	Wildcat	Ratcliffe	3/14/84	7,024	18	0
Xplor Energy Corp., 13-36N-57E, Hammer Lagerquist 33-13	1	21528	Comertown E	Ratcliffe	2/13/84	6,940	53	0
Xplor Energy Corp., 07-32N-57E, Fernyhough Williams 32-7	1	21529	Colored Canyon	Red River C	3/22/84	11,520	684	0
Xplor Energy Corp., 24-36N-57E, Lagerquist 31-24	1	21532	E Comertown A	Ratcliffe	2/29/84	6,914	83	0
Xplor Energy Corp., 30-36N-58E, Oksa 31-30	4	21537	Wildcat	Ratcliffe	2/27/84	7,043	37	0
Stillwater - 095								
Daube Co., 07-02S-22E, Kober Farms 1-7	5	21178	Wildcat		8/13/81	4,478	0	0
Energy Rock Inc., 22-03N-19E, Erfle 4a-22	6	21190	Wildcat		4/14/84	1,385	0	0
Energy Rock Inc., 22-03N-21E, Bradbrook 16-22	5	21194	Lake Basin A***	Frontier	10/30/84	1,410	0	500
Energy Rock Inc., 27-02N-21E, Dannenberg 2a-27	2	21197	N Lake Basin	Eagle	11/12/84	1,190	0	150
Gulfstream Petroleum Corp., 11-02S-21E, Garnet Cary 1	6	21133	Wildcat		10/10/79	4,500	0	0
Waggoner Exploration Co., 28-02N-22E, Lazy K-T Ranch 1-A	6	21171	Wildcat		1/16/84	2,100	0	0
Sweetgrass - 097								
Energy Rock Inc., 16-03N-18E, State 1	6	21032	Wildcat		7/2/84	1,310	0	0
Montana Power Co., 11-05N-15E, Cooney 10-11	6	21039	Wildcat		10/1/83	7,975	0	0
Sun E & P Co., 12-02S-15E, Msr-Mge Mothershead								
Fed 12-14	6	21026	Wildcat		9/5/79	3,351	0	0
Sun E & P Co., 08-02S-16E, Mge Strobel-Fed Land Bank 8-11	6	21028	Wildcat		7/16/83	2,279	0	0
Sun E & P Co., 10-02S-16E, Hausserman 10-2	6	21029	Wildcat		7/16/83	5,242	0	0
Teton - 099								
Aikins Drilling Co., 22-27N-04W, Bailey-Deschon 22-3	1	21235	Pondera	Madison	8/1/84	2,091	5	0
Balcron Oil Co., 19-27N-04W, Hanson 3	1	21225	Pondera	Madison	3/1/84	2,234	10	0
Balcron Oil Co., 19-27N-04W, Hanson 2	8	21226	Pondera		12/14/83	2,262	0	0
C.C. Spencer, 09-26N-04W, L.P. Ranch Co. 1R	6	21215	Wildcat		8/8/83	2,095	0	0
Celsius Energy Co., 27-25N-08W, Fed 1	6	21236	Wildcat		8/26/84	4,505	0	0
Darrell A. Lowrance, 22-27N-04W, Morris 12	1	21233	Pondera	Madison	6/29/84	2,104	8	0
Fulton Producing Co., 25-27N-05W, Connole 1-25	1	21228	Pondera	Madison	5/16/84	2,270	63	0
Fulton Producing Co., 02-27N-05W, Brownell 1-2	4	21230	Pondera	Madison	9/13/84	2,327	2	0
Fulton Producing Co., 23-27N-05W, Hanson 1-23	8	21231	Pondera		6/5/84	2,404	0	0
Great Northern Drilling Co., 09-25N-03W, Caskey 11-9	5	21242	Wildcat	Madison	11/1/84	1,802	0	700
King Sherwood, 34-26N-01E, State 2	1	05482	Bannatyne	Swift	3/17/84	3,404	14	0
Union Oil Co. of CA, 06-21N-03W, US 1-P6	6	21234	Wildcat		8/5/84	5,000	0	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
Toole - 11								
Adrian G. Walls, 18-34N-02W, Coyote 3	1	22593	Kevin Sunburst	Madison	4/30/84	1,580	10	0
Adrian G. Walls, 18-34N-02W, Coyote 4	1	22594	Kevin Sunburst	Madison	4/27/84	1,557	45	0
Adrian G. Walls, 07-34N-02W, Badger 1	1	22596	Kevin Sunburst	Madison	5/8/84	1,577	5	0
Adrian G. Walls, 32-35N-02W, Porker 1	1	22598	Kevin Sunburst	Madison	5/10/84	1,522	25	0
Adrian G. Walls, 18-34N-02W, Coyote 6	1	22599	Kevin Sunburst	Madison	10/19/84	1,563	35	35
Adrian G. Walls, 18-34N-02W, Coyote 5	1	22600	Kevin Sunburst	Madison	6/14/84	1,578	15	0
Adrian G. Walls, 32-35N-02W, Porker 2	1	22610	Kevin Sunburst	Madison	6/11/84	1,528	10	0
Adrian G. Walls, 32-35N-02W, Porker 3	1	22611	Kevin Sunburst	Madison	6/2/84	1,530	10	0
Adrian G. Walls, 07-34N-02W, Badger 3	1	22686	Kevin Sunburst	Madison	9/13/84	1,530	5	0
Adrian G. Walls, 33-36N-01W, Walls-Woods 1	3	22696	Kevin Sunburst		9/23/84	1,810	0	0
Adrian G. Walls, 18-34N-02W, Coyote 7	1	22722	Kevin Sunburst	Madison	10/26/84	1,547	6	0
Adrian G. Walls, 16-34N-01W, Malone State 16-1	2	22723	Kevin Sunburst		10/22/84	1,422	0	20
Adrian G. Walls, 31-35N-02W, Porker 4	1	22735	Kevin Sunburst	Madison	10/29/84	1,532	12	0
Adrian G. Walls, 16-34N-01W, Malone State 16-2	2	22756	Kevin Sunburst	Swift	11/25/84	1,483	0	80
Adrian G. Walls, 18-34N-02W, Owl 1	1	22760	Kevin Sunburst	Madison	12/8/84	1,527	3	0
Adrian G. Walls, 18-34N-02W, Owl 2	1	22761	Kevin Sunburst	Madison	11/30/84	1,503	8	0
Alme Construction, 17-34N-02W, Alme-Habets 17-33	1	22670	Kevin Sunburst	Madison	8/28/84	1,512	3	0
Blue Diamond Petroleum Inc., 10-34N-02W, Barry Green 14-10	1	22746	Kevin Sunburst	Madison	11/28/84	1,508	40	100
Bruce E. Werner, 22-35N-03W, Fed 1-22	3	22258	Kevin Sunburst		5/15/83	1,780	0	0
Bud King Construction, 18-34N-02W, Sorrell 1	1	22616	Kevin Sunburst	Madison	11/10/84	1,525	10	0
Bud King Construction, 18-34N-02W, Marilyn 3	1	22641	Kevin Sunburst	Madison	8/1/84	1,503	9	0
Cavalier Petroleum, 18-33N-01E, Bronken 1	6	22619	Wildcat		7/16/84	1,420	0	0
Cavalier Petroleum, 17-34N-01W, Larson 11-17	1	22702	Kevin Sunburst	Madison	9/28/84	1,435	5	0
Cavalier Petroleum, 26-34N-01W, Collier 16-26	5	22767	Wildcat	3rd Bow Island Sunburst	12/14/84	1,370	0	133
Celsius Energy Co., 35-33N-01W, Hurley 3-35	2	22500	Old Shelby Gas Field	Bow Island B	1/27/84	1,377	0	39
Celsius Energy Co., 03-32N-01W, Rogers 2-3	2	22736	N Dunkirk	Swift	11/14/84	1,427	0	57
Celsius Energy Co., 35-33N-01W, Ely 1-35	3	22750	Old Shelby G		11/12/84	1,402	0	0
Crescent Oil & Gas Corp., 33-33N-01W, Wexpro-Williams 2-33	3	22720	Old Shelby		10/22/84	830	0	0
Crescent Petroleum Corp., 06-32N-01W, Welker 1-6	3	22539	Old Shelby		1/1/84	1,577	0	0
Crescent Petroleum Corp., 03-33N-01W, Seward 1-3	2	22629	Old Shelby	Sunburst, Swift	9/6/84	1,312	0	629
Crescent Petroleum Corp., 34-33N-02W, Riordan 1-34	2	22630	Old Shelby	Sunburst	8/29/84	1,603	0	08
Croft Petroleum Co., 34-35N-04W, State 1	3	22538	Kevin Sunburst		1/8/84	2,074	0	0
Croft Petroleum Co., 02-34N-01W, Johnson-Carpenter 1	1	22729	Kevin Sunburst	Sunburst	11/21/84	1,523	14	0
Ed Vanderpass, 19-35N-02W, Gov't 11	1	22689	Kevin Sunburst	Madison	10/13/84	1,580	1	0
Elenburg Exploration Inc., 30-33N-01W, Berg 2-30	1	22719	Old Shelby	Sunburst, Swift	10/14/84	1,455	69	421
Falcon Petroleum Corp., 30-35N-02W, Helmerich 8	3	22545	Kevin Sunburst		1/13/84	1,490	0	0
Frontier Exploration, 32-35N-02W, Fed 32-35	1	22709	Kevin Sunburst	Madison	10/17/84	1,510	6	0
Frontier Exploration Co., 33-35N-02W, M-48774 33-16	3	22165	Kevin Sunburst		7/31/81	1,498	0	0
Frontier Exploration Co., 01-34N-03W, Fed 1-61	3	22204	Kevin Sunburst		8/8/81	130	0	0
Frontier Exploration Co., 32-35N-03W, M-46243, MX 4-32	2	22515	Kevin Sunburst	Sunburst	3/30/84	1,472	0	116
Frontier Exploration Co., 07-34N-02W, Hurley 3	1	22589	Kevin Sunburst	Madison	4/17/84	1,520	15	0
Frontier Exploration Co., 32-35N-02W, Frontier 32-25	1	22637	Kevin Sunburst	Madison	7/14/84	1,529	8	0
Frontier Exploration Co., 32-35N-02W, Frontier 32-24	3	22638	Kevin Sunburst		7/17/84	1,560	0	0
Frontier Exploration Co., 32-35N-02W, Fed 32-14	1	22639	Kevin Sunburst	Madison	7/20/84	1,506	4	0
Frontier Exploration Co., 05-34N-02W, Fed 05-21	3	22701	Kevin Sunburst		10/3/84	1,517	0	0
Frontier Exploration Co., 32-35N-02W, M 487740 32-04	1	22745	Kevin Sunburst	Madison	11/15/84	1,493	20	0
Frontier Exploration Co., 32-35N-02W, M 48774 32-03	1	22751	Kevin Sunburst	Madison	11/16/84	1,512	4	0
G.B. Coolidge, 14-34N-01W, Monson 2-14	3	22544	Kevin Sunburst		1/13/84	245	0	0
G.B. Coolidge, 14-34N-01W, Monson 2-14X	2	22582	Kevin Sunburst	Swift	1/22/84	1,417	0	50
G.B. Coolidge, 06-34N-01E, Zimmerman Realty 1	4	22607	Wildcat	Nisku	6/8/84	2,947	60	0
G.B. Coolidge, 15-34N-01W, Sauby 1-15	2	22711	Kevin Sunburst	Sunburst, Swift	10/11/84	1,390	0	150
Gary Feland, 34-35N-02W, Trimont 10-34	1	22609	Kevin Sunburst	Madison	5/31/84	1,538	8	0
General Well Service Inc., 02-35N-04W, Gillespie 1	3	22766	Kevin Sunburst		12/8/84	2,486	0	0
J.R. Bacon Drilling Inc., 07-34N-01W, Harte 2X	1	22528	Kevin Sunburst	Madison	3/29/84	1,450	5	0
J.R. Bacon Drilling Inc., 18-34N-01W, Dakota 1	1	22542	Kevin Sunburst	Madison	6/18/84	1,386	20	0
J.R. Bacon Drilling Inc., 18-34N-01W, Dakota 2	1	22543	Kevin Sunburst	Madison	6/14/84	1,509	50	0
J.R. Bacon Drilling Inc., 07-34N-01W, Harte 3X	1	22547	Kevin Sunburst	Madison	2/21/84	1,408	100	0
J.R. Bacon Drilling Inc., 07-34N-01W, Harte 5X	1	22574	Kevin Sunburst	Madison	6/10/84	1,403	5	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							OIL B/D	Gas MCF/D
J.R. Bacon Drilling Inc., 12-34N-02W, Steele 6	1	22576	Kevin Sunburst	Madison	4/23/84	1,450	150	0
J.R. Bacon Drilling Inc., 12-34N-02W, Steele 7	1	22590	Kevin Sunburst	Madison	4/30/84	1,500	40	0
J.R. Bacon Drilling Inc., 07-34N-01W, North Harte 6X	1	22612	Kevin Sunburst	Madison	8/6/84	1,410	5	0
J.R. Bacon Drilling Inc., 12-34N-02W, Steele 8	1	22613	Kevin Sunburst	Madison	6/15/84	1,446	50	0
J.R. Bacon Drilling Inc., 11-34N-02W, Allen 2	1	22618	Kevin Sunburst	Madison	6/20/84	1,496	600	0
J.R. Bacon Drilling Inc., 12-34N-03W, Myers 1	1	22620	Kevin Sunburst	Madison	8/23/84	1,567	0	0
J.R. Bacon Drilling Inc., 25-35N-02W, Byrne 1	1	22622	Kevin Sunburst	Madison	8/15/84	1,526	6	0
J.R. Bacon Drilling Inc., 25-35N-02W, North Byrne 2	1	22623	Kevin Sunburst	Madison	8/15/84	1,508	1	0
J.R. Bacon Drilling Inc., 12-34N-02W, Steele 9	1	22634	Kevin Sunburst	Madison	8/20/84	1,450	2	0
J.R. Bacon Drilling Inc., 07-34N-01W, Woods 1X	1	22635	Kevin Sunburst	Madison	8/9/84	1,410	200	0
J.R. Bacon Drilling Inc., 07-34N-01W, North Harte 7X	1	22636	Kevin Sunburst	Madison	9/5/84	1,450	0	0
J.R. Bacon Drilling Inc., 13-34N-02W, Donovan 4	1	22642	Kevin Sunburst	Madison	8/16/84	1,385	2	0
J.R. Bacon Drilling Inc., 11-34N-02W, Allen 4	1	22643	Kevin Sunburst	Madison	8/16/84	1,588	20	0
J.R. Bacon Drilling Inc., 11-34N-02W, Shavers 8-11	1	22644	Kevin Sunburst	Madison	8/10/84	1,511	5	0
J.R. Bacon Drilling Inc., 11-34N-02W, Allen 3	1	22645	Kevin Sunburst	Madison	9/6/84	1,550	0	0
J.R. Bacon Drilling Inc., 11-34N-02W, Shavers 9-11	1	22653	Kevin Sunburst	Madison	9/29/84	1,523	10	0
J.R. Bacon Drilling Inc., 07-34N-01W, Woods 2X	1	22677	Kevin Sunburst	Madison	8/27/84	1,375	200	0
J.R. Bacon Drilling Inc., 20-35N-02W, Nichols 1	1	22687	Kevin Sunburst	Madison	10/24/84	1,605	5	0
J.R. Bacon Drilling Inc., 35-35N-02W, Welch 1	1	22691	Kevin Sunburst		10/5/84	1,549	0	0
J.R. Bacon Drilling Inc., 32-35N-01W, McCartney 1	1	22692	Kevin Sunburst	Madison	9/28/84	1,547	6	0
Jerry L. Branch, 10-34N-03W, Fed 10-10	2	22531	Kevin Sunburst	Sunburst	1/26/84	1,320	0	729
Jerry L. Branch, 28-31N-01E, Boland 14-28	2	22595	S Devon	4th Bow Island	6/13/84	1,060	0	53
Jerry L. Branch, 06-33N-03W, Capital Enterprises 6-7	5	22597	Wildcat	Swift	5/22/84	1,578	0	108
Jerry L. Branch, 13-34N-03W, Blumberg 8-13	1	22628	Kevin Sunburst	Madison	7/19/84	1,545	2	0
Leonard Holt & Sherman Holt, 07-34N-01W, Vucanovich 1	1	22602	Kevin Sunburst	Madison	8/3/84	1,300	2	0
Michael T. Buckley, 09-37N-04W, Pugh 3	1	22621	Cut Bank	Cut Bank	6/30/84	2,650	30	0
Michael T. Buckley, 09-37N-04W, Wilcox 6	1	22697	Cut Bank	Cut Bank	10/4/84	2,677	15	0
Minden Oil & Gas Inc., 22-35N-02W, A. Lorenzen 1-A	1	22608	Kevin Sunburst	Madison	5/29/84	1,506	8	0
Minden Oil & Gas Inc., 23-35N-03W, Shon 7	1	22650	Kevin Sunburst	Madison	8/28/84	1,775	5	0
Minden Oil & Gas Inc., 31-35N-01W, Fulton Byrne 27	1	22651	Kevin Sunburst	Madison	7/28/84	1,485	10	0
Minden Oil & Gas Inc., 19-35N-01W, Kalispell-Kevin 27	1	22661	Kevin Sunburst	Madison	8/4/84	1,600	15	0
Minden Oil & Gas Inc., 24-35N-03W, Fryberger 43	1	22667	Kevin Sunburst	Madison	8/17/84	1,652	14	0
Minden Oil & Gas Inc., 22-35N-02W, A. Lorenzen 28	1	22668	Kevin Sunburst	Madison	8/15/84	1,523	10	0
Minden Oil & Gas Inc., 19-35N-01W, Kalispell-Kevin 28	1	22672	Kevin Sunburst	Madison	8/23/84	1,602	0	0
Minden Oil & Gas Inc., 14-35N-02W, Engemoen A 39	1	22678	Kevin Sunburst	Madison	9/10/84	1,641	2	0
Minden Oil & Gas Inc., 29-35N-01W, Miles 10	1	22679	Kevin Sunburst	Madison	9/14/84	1,627	3	0
Minden Oil & Gas Inc., 29-35N-01W, Rice Bluhm 11	1	22680	Kevin Sunburst	Madison	9/23/84	1,592	5	0
Minden Oil & Gas Inc., 30-35N-01W, Sunset Byrne 13	1	22681	Kevin Sunburst	Madison	9/18/84	1,583	25	0
Montana Pacific Oil & Gas, 02-34N-02W, Bradley 9	1	22646	Kevin Sunburst	Madison	9/16/84	1,554	25	0
Montana Pacific Oil & Gas, 02-34N-02W, Bradley 10	1	22647	Kevin Sunburst	Madison	9/16/84	1,509	200	0
Montana Pacific Oil & Gas, 07-34N-01W, Dakota-State 17	1	22657	Kevin Sunburst	Madison	12/15/84	1,447	50	0
Montana Pacific Oil & Gas, 1-34N-02W, Lewis 18	1	22658	Kevin Sunburst	Madison	11/10/84	1,535	15	0
Montana Pacific Oil & Gas, 07-34N-01W, Wilcox 3x	1	22665	Kevin Sunburst	Madison	11/1/84	1,417	15	0
Montana Pacific Oil & Gas, 07-34N-01W, Wilcox 2x	1	22666	Kevin Sunburst	Madison	10/1/84	1,370	150	0
Montana Pacific Oil & Gas, 08-34N-01W, Wilcox 4x	1	22710	Kevin Sunburst	Madison	12/20/84	1,383	25	0
Montana Pacific Oil & Gas, 08-34N-01W, Wilcox 5x	1	22716	Kevin Sunburst	Madison	12/20/84	1,402	50	0
Montana Pacific Oil & Gas, 08-34N-01W, Dakota State 20	1	22717	Kevin Sunburst	Madison	12/15/84	1,465	25	0
Montana Pacific Oil & Gas, 08-34N-01W, Wilcox 6x	1	22739	Kevin Sunburst	Madison	12/20/84	1,425	25	0
Montana Power Co., 27-33N-01W, Marmont 3	2	22454	Old Shelby	Sunburst, Swift		1,108	0	227
Montana Power Co., 34-33N-01W, Fee 4-34	2	22455	Old Shelby		11/16/83	1,360	0	0
Montana Power Co., 05-31N-03E, State 8-5	5	22548	Wildcat	2nd Bow Island	2/24/84	795	0	1,184
Montana Power Co., 17-31N-03E, State 6-17	5	22549	Wildcat	2nd Bow Island	2/21/84	789	0	202
Montana Power Co., 07-31N-03E, State 16-7	6	22550	Wildcat		2/19/84	900	0	0
Montana Power Co., 28-31N-01E, Boland 16-28	2	22741	S Devon Unit	3rd Bow Island	12/14/84	1,006	0	653
Natural Gas Processing Co., 04-33N-01W, Seward 1-4	3	22536	Old Shelby		11/21/84	302	0	0
Natural Gas Processing Co., 33-34N-01W, Zeigler 1-33	3	22537	Old Shelby		2/15/84	1,305	0	0
Natural Gas Processing Co., 04-33N-01W, Seward 1-4X	2	22757	Old Shelby	Bow Island, Sunburst	11/28/84	1,350	0	171
North American Resource Co., 19-37N-04W, Taule 1-19X	1	22724	Cut Bank	Moulton, Sunburst	10/20/84	2,830	10	0
North American Resources Co., 30-37N-04W, State 1-30X	3	22690	Cut Bank		9/17/84	2,750	0	0
P & M Petroleum Management, 02-37N-04W, Old Border Unit 11	1	22530	Cut Bank	Cut Bank	12/13/83	2,531	70	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
P & M Petroleum Management, 01-37N-04W, Old Border Unit 12	1	22571	Border	Upper Cut Bank	4/4/84	2,533	11	0
P & M Petroleum Management, 02-37N-04W, Old Border Unit 13	1	22626	Cut Bank	Cut Bank	7/15/84	2,510	28	0
P & M Petroleum Management, 02-37N-04W, Old Border Unit 14	1	22627	Cut Bank	Upper Cut Bank	10/17/84	2,599	70	0
Paul F. Nichols, 21-35N-02W, Halter Fee 5N	1	22605	Kevin Sunburst	Madison	6/6/84	1,578	7	0
Petrorep Inc., 02-37N-03W, Bryant 1	6	22713	Wildcat		10/28/84	2,536	0	0
Quintana Petroleum Corp., 05-34N-01E, Suphellen 1	4	22504	Wildcat	Nisku	11/22/83	3,088	48	0
Quintana Petroleum Corp., 35-33N-02E, Dyrdahl 1	6	22505	Wildcat		10/20/83	3,145	0	0
Quintana Petroleum Corp., 36-32N-01E, State 15-36	6	22534	Wildcat		11/19/84	1,740	0	0
Quintana Petroleum Corp., 18-34N-01E, Steiger 1-18	5	22540	Wildcat	Bow Island	1/11/84	577	0	23
Quintana Petroleum Corp., 31-35N-01E, C.J. Wiegand Jr. 1-31	4	22570	Wildcat	Nisku	4/20/84	2,995	198	0
Quintana Petroleum Corp., 06-34N-01E, Hendley 1-6	6	22601	Wildcat		5/25/84	3,122	0	0
Quintana Petroleum Corp., 26-36N-01W, Suta 1-26	4	22624	Wildcat	Sunburst	7/2/84	2,180	76	0
Quintana Petroleum Corp., 30-35N-01E, Wiegand 1-30	6	22625	Wildcat		7/12/84	3,111	0	0
Quintana Petroleum Corp., 06-34N-01E, Hendley 2-6	1	22633	East Kevin	Nisku	7/23/84	3,060	53	0
Quintana Petroleum Corp., 26-36N-01W, Suta 2-26	8	22663	Wildcat		9/5/84	3,700	0	0
Quintana Petroleum Corp., 03-35N-01W, Suta 1-3	3	22685	Kevin Sunburst					
			Nisku Gas		12/15/84	3,445	0	0
Quintana Petroleum Corp., 25-33N-01E, Kanning 1-25	8	22708	Wildcat		10/14/84	3,020	0	0
Quintana Petroleum Corp., 34-36N-01W, Suta 1-34	6	22721	Wildcat		10/30/84	3,610	0	0
Quintana Petroleum Corp., 28-32N-01E, Skeslien 1-28	6	22740	Wildcat		11/12/84	2,945	0	0
Rimrock Drilling Co., 18-34N-02W, Nobody 4	1	22533	Kevin Sunburst	Madison	2/10/84	1,535	14	0
Rimrock Drilling Co., 18-34N-02W, Nobody 5	1	22572	Kevin Sunburst	Madison	8/10/84	1,535	13	0
Rimrock Drilling Co., 18-34N-02W, Me 1	1	22583	Kevin Sunburst	Madison	8/7/84	1,525	5	0
Rimrock Drilling Co., 18-34N-02W, Me 2	1	22591	Kevin Sunburst	Madison	8/5/84	1,537	20	0
Rimrock Drilling Co., 18-34N-02W, Me 3	1	22592	Kevin Sunburst	Madison	8/19/84	1,535	6	0
Rimrock Drilling Co., 18-34N-02W, State 3	1	22606	Kevin Sunburst	Madison	9/5/84	1,525	15	0
Rimrock Drilling Co., 18-34N-02W, Lonesome 1	1	22699	Kevin Sunburst	Madison	12/10/84	1,525	12	0
Rimrock Drilling Co., 18-34N-02W, Lonesome 2	1	22700	Kevin Sunburst	Madison	12/10/84	1,525	15	0
Robert S. Hawkins, 02-34N-03W, Porter 2-1	1	22675	Kevin Sunburst	Madison	8/23/84	1,545	0	0
Roundup Resources Inc., 01-36N-04W, Juedeman 1-11	5	22730	Wildcat	Bow Island	10/24/84	1,730	0	571
S & W Petroleum Consultants, 05-36N-03W, Simmes G905Y	3	22631	Amanda		7/24/84	2,146	0	0
S & W Petroleum Consultants, 17-36N-03W, Fed A117	2	22640	Amardo	Bow Island	8/10/84	1,727	0	200
S & W Petroleum Consultants, 06-36N-03W, Hendricks Ba06	2	22660	Amanda	Bow Island	8/11/84	1,778	0	153
Silver Fox Oil, 23-35N-03W, Ellingson B 12	1	22632	Kevin Sunburst	Madison	7/12/84	1,788	20	0
Silver Fox Oil, 14-35N-03W, Ellingson C 14	1	22676	Kevin Sunburst	Madison	8/15/84	1,848	1	0
Somont Oil Co. Inc., 12-35N-02W, Fed H-50	1	22470	Kevin Sunburst	Madison	2/29/84	1,611	2	0
Somont Oil Co. Inc., 12-35N-02W, Fed H-52	2	22471	Kevin Sunburst	Sunburst	2/25/84	1,365	0	50
Somont Oil Co. Inc., 12-35N-02W, Fed F-50	1	22472	Kevin Sunburst	Madison	2/28/84	1,625	2	0
Somont Oil Co. Inc., 29-35N-01W, Anderson 30	1	22523	Kevin Sunburst	Madison	1/24/84	1,533	4	0
Somont Oil Co. Inc., 29-35N-02W, Anderson 32	1	22551	Kevin Sunburst	Madison	2/26/84	1,507	1	0
Somont Oil Co. Inc., 23-35N-02W, Zimmerman 4	1	22552	Kevin Sunburst	Madison	3/1/84	1,563	3	0
Somont Oil Co. Inc., 22-35N-02W, E Helmerick LI 23 B	1	22554	Kevin Sunburst	Madison	2/24/84	1,470	25	0
Somont Oil Co. Inc., 22-35N-02W, E Helmerick MM23b	1	22555	Kevin Sunburst	Madison	3/6/84	1,483	2	0
Somont Oil Co. Inc., 22-35N-02W, E Helmerick NN23	1	22556	Kevin Sunburst	Madison	3/8/84	1,428	2	0
Somont Oil Co. Inc., 23-35N-02W, Zimmerman 5	1	22557	Kevin Sunburst	Madison	4/1/84	1,590	2	0
Somont Oil Co. Inc., 22-35N-02W, E Helmerick LL-22	1	22558	Kevin Sunburst	Madison	2/22/84	1,483	3	0
Somont Oil Co. Inc., 29-35N-01W, Anderson 33	1	22559	Kevin Sunburst	Madison	2/28/84	1,520	3	0
Somont Oil Co. Inc., 16-35N-02W, Galuska-State AA14	1	22567	Kevin Sunburst	Madison	3/21/84	1,651	1	0
Somont Oil Co. Inc., 16-35N-02W, Galuska-State Z15	1	22568	Kevin Sunburst	Madison	3/30/84	1,653	3	0
Somont Oil Co. Inc., 16-35N-02W, Galuska State Z16	1	22569	Kevin Sunburst	Madison	3/19/84	1,651	2	0
Somont Oil Co. Inc., 19-35N-01W, Arcus 21	1	22573	Kevin Sunburst	Madison	5/1/84	1,603	2	0
Somont Oil Co. Inc., 15-35N-02W, Emmert EE18	1	22577	Kevin Sunburst	Madison	4/26/84	1,539	2	0
Somont Oil Co. Inc., 10-35N-02W, D.K. Burns K27	1	22579	Kevin Sunburst	Madison	4/9/84	1,660	10	0
Somont Oil Co. Inc., 15-35N-02W, Emmert EE19B	1	22580	Kevin Sunburst	Madison	4/14/84	1,578	1	0
Somont Oil Co. Inc., 15-35N-02W, Emmert EE19	1	22581	Kevin Sunburst	Madison	4/17/84	1,553	2	0
Somont Oil Co. Inc., 21-35N-02W, West Helmerick NN 15	1	22585	Kevin Sunburst	Madison	5/15/84	1,517	2	0
Somont Oil Co. Inc., 22-35N-02W, Middle Helmerick LL20	1	22586	Kevin Sunburst	Madison	7/26/84	1,502	2	0
Somont Oil Co. Inc., 14-35N-02W, Reeg AA35	1	22587	Kevin Sunburst	Madison	5/17/84	1,628	25	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
Somont Oil Co. Inc., 30-35N-01W, Anderson 10X	1	22588	Kevin Sunburst	Madison	4/28/84	1,468	2	0
Somont Oil Co. Inc., 12-34N-02W, Fed 9	1	22603	Kevin Sunburst	Madison	5/31/84	1,453	2	0
Somont Oil Co. Inc., 12-34N-02W, Fed 10	1	22604	Kevin Sunburst	Madison	6/6/84	1,508	1	0
Somont Oil Co. Inc., 22-35N-02W, Middle Helmerick LL20A	1	22662	Kevin Sunburst	Madison	7/26/84	1,502	1	0
Somont Oil Co. Inc., 22-35N-02W, Middle Helmerick NN20	1	22669	Kevin Sunburst	Madison	7/29/84	1,470	2	0
Somont Oil Co. Inc., 19-35N-01W, Arcus 14B	1	22684	Kevin Sunburst	Madison	9/17/84	1,595	3	0
Somont Oil Co. Inc., 31-35N-02W, Gov't 3	1	22703	Kevin Sunburst	Madison	10/11/84	1,507	5	0
Somont Oil Co. Inc., 31-35N-02W, M-48773 1	1	22704	Kevin Sunburst	Madison	10/4/84	1,507	3	0
Somont Oil Co. Inc., 31-35N-02W, Gov't 2	1	22705	Kevin Sunburst	Madison	10/7/84	1,492	5	0
Somont Oil Co. Inc., 31-35N-02W, Gov't 4	1	22706	Kevin Sunburst	Madison	10/23/84	1,495	5	0
Somont Oil Co. Inc., 09-35N-02W, Swears 1	1	22753	Kevin Sunburst	Madison	11/23/84	1,708	5	0
Texaco Inc., 31-34N-01W, Kathryn Barnhill 1	2	22584	Prairie Dell	Sunburst, Swift	5/8/84	1,310	0	205
TWR Inc., 08-37N-04W, State 8-8A	3	22682	Cut Bank		10/23/84	2,722	0	0
TXO Production Corp., 07-35N-01W, Alme 1	3	22695	Kevin Sunburst		10/6/84	1,800	0	0
Western Natural Gas Co., 11-34N-02E, State 1-11	6	22519	Wildcat		10/25/83	2,044	0	0
Western Natural Gas Co., 24-36N-04W, Reddy 1-24	5	22737	Wildcat	Sunburst, Swift	11/12/84	2,497	0	250
Western Reserves Inc., 14-34N-03W, Anderson 14-1	3	22406	Kevin Sunburst		10/29/82	1,550	0	0
Western Reserves Inc., 11-35N-03W, Miller 16-11	1	22546	Kevin Sunburst	Madison	3/2/84	1,796	0	0
Western Reserves Inc., 18-34N-01W, Skinner 2-18	2	22560	Kevin Sunburst	Madison	3/26/84	1,378	0	40
Western Reserves Inc., 11-34N-02W, Shaver 7-11	1	22561	Kevin Sunburst		10/24/84	1,530	0	0
Western Reserves Inc., 07-35N-02W, Fee 8-7	1	22562	Kevin Sunburst	Madison	6/10/84	1,839	3	0
Western Reserves Inc., 12-35N-03W, Fed 7-12	1	22564	Kevin Sunburst	Madison	8/29/84	1,768	6	0
Western Reserves Inc., 03-35N-03W, Fed 2-3	2	22565	Kevin Sunburst	NA	4/14/84	1,851	0	700
Western Reserves Inc., 10-35N-03W, Fed 7-10	1	22566	Kevin Sunburst	Madison	6/7/84	1,839	6	0
Treasure - 103								
Mar-Win Dev. Co., 10-03N-38E, Bonine Ranch 1	6	21013	Wildcat		7/4/84	5,450	0	0
Southport Expl. Inc., 08-08N-34E, J.B. Grierson & Co. 1-8	6	21015	Wildcat		8/27/84	5,515	0	0
Southport Expl. Inc., 18-08N-35E, Treasure Cty 1-18	6	21017	Wildcat		11/24/84	7,827	0	0
Valley - 105								
Anadarko Production Co., 30-31N-44E, Crawford A 1	1	21282	Lustre	Charles D	4/6/84	6,400	202	0
Anadarko Production Co., 25-31N-43E, William Clark A 1	1	21295	Lustre	Madison	8/24/84	6,001	120	0
Anadarko Production Co., 25-31N-43E, William Clark A-2	1	21296	Lustre	Charles A-2	4/20/84	6,052	186	0
Anadarko Production Co., 30-31N-44E, Crawford 2	1	21319	Lustre	Madison	9/13/84	6,128	271	0
Anadarko Production Co., 25-31N-43E, William Clark A 3	1	21323	Lustre	Charles D	11/5/84	6,000	128	0
Anadarko Production Co., 30-31N-44E, White Eagle A 1	1	21339	Lustre	Upper Charles D	11/2/84	6,179	129	0
Anadarko Production Co., 29-31N-44E, White Eagle A 2	1	21346	Lustre	Mission Canyon	9/26/84	6,190	288	0
Anadarko Production Co., 25-31N-43E, William Clark A 4	1	21348	Lustre	Charles D	12/22/84	6,000	100	0
Anadarko Production Co., 20-31N-44E, Lowry A 1	8	21352	Lustre		10/26/84	6,300	0	0
Axem Resources Inc., 31-29N-44E, Berg 15-31	6	21332	Wildcat		8/29/84	5,900	0	0
Clayton W. Williams Jr., 11-31N-44E, Sandvick 1-11	1	21278	Lustre Area	Charles D	12/23/83	6,150	99	0
Clayton W. Williams Jr., 12-31N-44E, A.E. Wall 1-12	6	21292	Wildcat		3/12/84	6,400	0	0
Clayton W. Williams Jr., 11-31N-44E, Sandvick 2-11	6	21293	Wildcat		3/29/84	6,283	0	0
Elenburg Exploration Inc., 36-31N-34E, State 10-36	2	21231	Bowdoin	Bowdoin	10/15/82	1,708	0	100
Exxon Corp., 28-31N-44E, Katherine Unrau Trust 2	1	21256	Lustre	Charles C	11/30/84	6,350	4	0
Exxon Corp., 27-31N-44E, Kliewer Unit 1	8	21259	Lustre		12/27/83	6,350	0	0
Exxon Corp., 10-30N-44E, Henry Beier B AC 2 3	1	21265	Lustre	Charles C	12/30/83	6,355	219	0
Exxon Corp., 05-30N-44E, J. Reddig 1	1	21266	Lustre	Charles C	4/10/84	6,125	62	0
Exxon Corp., 04-30N-44E, D.R. Todd 1	3	21269	Lustre		3/23/84	6,150	0	0
Exxon Corp., 03-30N-44E, Tieszen-Towes 4	3	21271	Lustre		1/2/84	6,000	0	0
Exxon Corp., 03-30N-44E, Tieszen-Towes 3	1	21272	Lustre	Charles C	8/10/84	5,910	4	0
Exxon Corp., 34-31N-44E, Henry Beier 3	1	21273	Lustre	Charles	1/9/84	6,150	131	0
Exxon Corp., 33-31N-44E, Olfert B 2	1	21283	Lustre	Charles C	3/30/84	6,200	187	0
Exxon Corp., 03-30N-43E, R & J Scott 1	1	21299	Lustre	Mission Canyon	5/25/84	6,130	115	0
Exxon Corp., 13-31N-43E, Pankratz B 1	1	21300	Lustre	Charles C	5/31/84	6,000	48	0
Exxon Corp., 10-30N-44E, Henry Beier B A-C 2 4	1	21302	Lustre	Charles C	6/18/84	6,000	476	0
Exxon Corp., 20-31N-44E, Pankratz 2	1	21305	Lustre	Charles D	7/11/84	6,043	25	0
Exxon Corp., 24-31N-43E, Edna Wetan Heirs 1	1	21308	Lustre	Charles C	8/9/84	6,000	10	0
Exxon Corp., 33-31N-44E, Olfert 2	1	21311	Lustre	Charles C	9/4/84	6,225	71	0
Exxon Corp., 03-30N-44E, Henry Beier B AC 1 5	3	21337	Lustre		10/24/84	5,970	0	0
Exxon Corp., 29-31N-44E, Olfert C 1	1	21338	Lustre	Charles C	12/31/84	6,150	24	0
Exxon Corp., 34-31N-44E, Hilda Martens 1	1	21342	Lustre	Charles C	11/27/84	5,940	40	0

1984 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL POTENTIAL	
							Oil B/D	Gas MCF/D
Exxon Corp., 10-30N-44E, Henry Beier B A-C 2 6	8	21343	Lustre		12/17/84	5,845	0	0
Exxon Corp., 02-30N-44E, Tieszen 3	8	21345	Lustre		12/17/84	5,980	0	0
Exxon Corp., 03-30N-44E, Henry Beier B 2	8	21560	Lustre		12/20/83	6,350	0	0
Home Petroleum Corp., 17-30N-44E, Olfert Cattle 1-17	3	21275	Lustre		1/7/84	6,458	0	0
Ladd Petroleum Corp., 11-30N-44E, Heringer 11-21	1	21297	Lustre	Charles C	10/11/84	6,400	105	0
Ladd Petroleum Corp., 07-30N-44E, Carrier 7-23	8	21329	Wildcat		11/16/84	6,175	0	0
Ladd Petroleum Corp., 33-30N-45E, Marion L.H. Thndr Shoots 1	8	21330	Wildcat		10/4/84	7,275	0	0
Ladd Petroleum Corp., 24-30N-44E, Raymond Ylw Owl Sr. 24-23	8	21331	Wildcat		10/26/84	7,200	0	0
Ladd Petroleum Corp., 06-31N-44E, Wilson Heirs 1	8	21340	Wildcat		11/15/84	6,925	0	0
Livingston & Courdin Expl, 05-34N-41E, Conoco-Honrud 5-13	6	21313	Wildcat		5/14/84	5,975	0	0
Livingston & Courdin Expl, 01-34N-40E, Vegge 1-7	6	21321	Wildcat		7/21/84	6,120	0	0
Merit Energy Corp., 12-29N-40E, McIntyre 1-12	8	21202	Wildcat		7/9/82	6,420	0	0
Petrorep Inc., 03-37N-35E, Beil 1	6	21354	Wildcat		11/23/84	4,800	0	0
Phillips Oil Co., 06-37N-37E, Bergtoll Fed. A 1	6	21333	Wildcat		10/4/84	8,922	0	0
S & W Petroleum Cons., 26-31N-44E, Ruben Baerg 26-1	1	21284	Lustre	Mission Canyon	3/31/84	6,306	38	0
Sante Fe Energy Co., 11-29N-44E, Frostbite-Zerbe 1-11	6	21318	Wildcat		8/16/84	6,400	0	0
Sun E & P Co., 31-31N-44E, J. Clark A 1	1	21263	Lustre	Ratcliffe	2/2/84	6,150	65	0
Sun E & P Co., 07-31N-43E, M.A. Nutter 1	1	21268	Lustre	Mission Canyon	2/24/84	5,743	103	0
Sun E & P Co., 18-31N-44E, Redstone 1	4	21274	Wildcat	Mission Canyon	1/15/84	6,250	100	0
Sun E & P Co., 32-31N-44E, Sun Tribal 2	1	21280	Lustre	Ratcliffe	3/26/84	6,090	44	0
Sun E & P Co., 30-31N-44E, Clark-Tribal 1	1	21281	Lustre	Ratcliffe	4/17/84	6,090	70	0
Sun E & P Co., 18-31N-44E, Redstone 2	1	21288	Lustre	Mission Canyon	7/25/84	6,263	82	0
Sun E & P Co., 31-31N-44E, G.E. Wilder 2	1	21289	Lustre Area	Mission Canyon	4/10/84	6,993	69	0
Sun E & P Co., 15-31N-43E, Josephine I. Bear 1	6	21314	Wildcat		6/26/84	5,600	0	0
Sun E & P Co., 24-31N-43E, M.V. Campbell 1	1	21315	Lustre Area	Mission Canyon	7/24/84	5,950	82	0
Sun E & P Co., 03-31N-43E, Redig Ranch 1	6	21320	Wildcat		8/15/84	7,250	0	0
Sun E & P Co., 20-30N-40E, Eayers Fib 1	6	21322	Wildcat		8/9/84	5,050	0	0
Sun E & P Co., 19-31N-44E, Surprise Tribal 2	3	21326	Lustre		11/12/84	6,249	0	0
Sun E & P Co., 24-31N-43E, M.V. Campbell 2	6	21341	Wildcat		11/14/84	6,000	0	0
Wheatland - 107								
Anadarko Production Co., 27-10N-16E, Parker-Thompson A 1	6	21021	Wildcat		7/15/84	8,417	0	0
Balcron Oil Co., 30-06N-16E, Cooney 1-30	8	21020	Wildcat		2/18/83	4,675	0	0
Montana Power Co., 35-10N-13E, Martin Ranch Co. 1-35	6	21022	Wildcat		6/18/84	4,197	0	0
Montana Power Co., 26-10N-14E, Lodge 11-26	6	21023	Wildcat		6/3/84	4,765	0	0
Wibaux - 109								
Diamond Shamrock Exploration, 30-18N-59E, Moerman 14-30	4	21053	Blue Mountain***	Red River	3/25/84	12,300	125	0
Diamond Shamrock Exploration, 31-18N-59E, Seagull Fee 11-31	6	21056	Wildcat		7/27/84	11,933	0	0
Gulf Oil Corp., 03-11N-60E, Dobrowski 1-3-2C	6	21054	Wildcat		3/22/84	7,685	0	0
Koch Exploration Co., 36-12N-59E, Fern Brungard 1	1	21050	Lamesteer Creek	Red River B	3/1/84	10,400	30	0
Shell Western E & P Inc., 23-11N-57E, Unit 21-23AR	1	21051	S Pine	Siluro-Ord	1/25/84	9,211	200	0
Shell Western E & P Inc., 15-11N-57E, Unit R3-15A	7	21052	S Pine		2/12/84	9,230	0	0
Shell Western E & P Inc., 15-11N-57E, Unit R2-15A	7	21055	S Pine		7/22/84	9,210	0	0
Shell Western E & P Inc., 22-11N-57E, US 11-22	1	21057	S Pine	Stoney Mountain Red River	10/5/84	9,107	230	0
Yellowstone - 111								
Beartooth Oil & Gas Co., 34-07N-32E, Fed 1	1	21168	S Wolf Springs	Amsden	8/30/84	6,072	264	0
Gary Drilling Co., 07-06N-33E, Larson 7-1	8	21170	S Wolf Springs		11/11/84	6,110	0	0
R & J Production Inc., 26-03S-24E, Spaeth 9	1	21159	Mosser Dome	Mosser Sand	4/21/84	990	6	0
R & J Production Inc., 26-03S-24E, Mosser 11	1	21161	Mosser Dome	Mosser Sand	9/5/84	970	10	0
R & J Production Inc., 26-03S-24E, Mosser 12	1	21166	Mosser Dome	Mosser Sand	6/15/84	970	18	0
R & K Drilling Inc., 27-03S-24E, Krug 3	6	21164	Wildcat		8/24/84	972	0	0
Rocky Mountain Oilfinders Inc., 01-07N-31E, Creighton Mem-RMO 1	1	21157	Weed Creek	Amsden-Piper	3/20/84	6,273	5	0

1984 WELL COMPLETIONS (CONTINUED)

INITIAL POTENTIAL

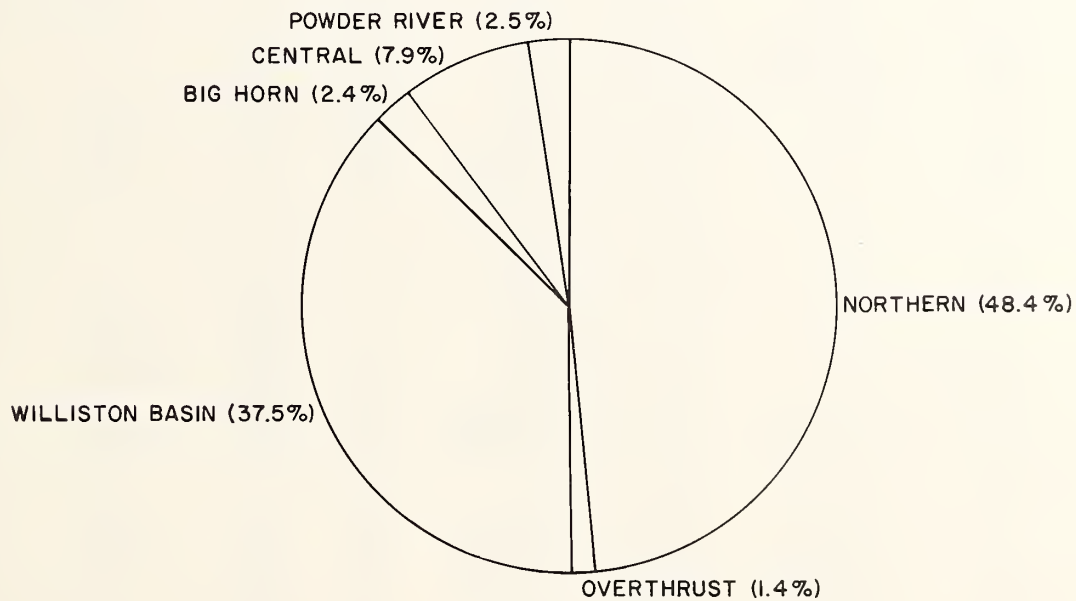
COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	OIL B/D	Gas MCF/D
Rocky Mountain Oilfinders Inc., 35-07N-32E, White et al 1	4	21158	Wildcat	Amsden	2/25/84	6,000	226	0
Rocky Mountain Oilfinders Inc., 02-06N-32E, Amma Botts 1	4	21160	S Wolf Springs**	Amsden	6/30/84	6,019	140	0
Rocky Mountain Oilfinders Inc., 02-06N-32E, Amma Botts 2	1	21163	S Wolf Springs	Amsden	9/24/84	6,100	115	0
Southport Exploration Inc., 21-07N-32E, Ethel C. White 1-21	6	21162	Wildcat		5/19/84	6,175	0	0
Southport Exploration Inc., 05-07N-32E, Jennaway 1-5	6	21169	Wildcat		8/8/84	6,165	0	0
Y.V.C. Inc., 01-02S-23E, Hart 1	5	21155	Wildcat		10/22/82	1,990	0	0

Status Codes:
 1 - development oil well;
 2 - development gas well;
 3 - development dry hole;
 4 - exploratory oil well;
 5 - exploratory gas well;
 6 - exploratory dry hole;
 7 - exploratory service well;
 8 - other (usually temp. aband.)

* - new pay zones
 ** - extensions
 *** - new discovery

WELLS COMPLETED

BY REGION



1984 SUMMARY OF SECONDARY RECOVERY PROJECTS

Field	Formation	Operator	Type of Project	Injection Pattern	Date Inj. Com.	1984 Cumulative Injections M Bbls. or MMCF	Avg. Daily Inj. Rate Bbls. or MCF	No. of Inj. Wells	Source of Injection Media and Remarks
Ash Creek Crow Tribal	Shannon	Mobil	Waterflood	Peripheral	10/64	256	—	1	Produced
Ash Creek Crow Tribal	Shannon	Mobil	Waterflood	Peripheral	10/64	256	—	—	WSW & Produced
Ash Creek SU (MT Portion)	Shannon	Mobil	Waterflood	Peripheral	10/64	1,220	132	2	Produced
Bell Creek Tertiary Incentive	Muddy	Gary Energy	Polymer Inj	5 Spot	12/80	36,922	24,751	30	Surface
Bell Creek A	Muddy	Gary Energy	Waterflood	Peripheral	4/70	167,894	48,504	39	Madison
Bell Creek B	Muddy	Gary Energy	Waterflood	Peripheral	10/70	48,031	8,668	14	Madison
Bell Creek C	Muddy	Gary Energy	Waterflood	Peripheral	9/71	30,878	7,263	5	Madison
Bell Creek D	Muddy	Gary Energy	Waterflood	Peripheral	1/72	35,023	6,723	10	Madison
Bell Creek E	Muddy	Gary Energy	Waterflood	Peripheral	1/72	28,903	6,342	27	Madison
Bell Creek Ranch Creek	Muddy	Gary Energy	Waterflood	Peripheral	3/71	42,574	3,830	7	Madison
Big Wall BSU	Upper Tyler	Texaco	Waterflood	Random	8/66	31,321	4,718	2	Produced
Big Wall LTSU	Lower Tyler	Texaco	Waterflood	Random	10/84	5,487	1,046	2	Produced
Blackfoot	Cut Bank	Croft Petroleum	Waterflood	Random	7/76	1,720	693	4	Madison
Border New	Cut Bank	P & M Petroleum	Waterflood	Random	1/82	—	—	—	Madison
Border Old	Cut Bank	P & M Petroleum	Waterflood	Random	6/73	1,309	521	3	Madison
Cabin Creek	Siluro Ord	Shell	Waterflood	Semi Peripheral	6/59	231,655	19,866	29	Produced
Cat Creek East Dome	Ellis Sand	Hoss	Waterflood	Semi Peripheral	7/70	1,036	153	3	Third Cat Creek
Cat Creek Mosby Dome	Swift	Cenex	Waterflood	Random	7/67	5,984	696	3	Third Cat Creek
Cat Creek Mosby Amsden	Amsden	Cenex	Waterflood	Random	6/71	313	—	—	Third Cat Creek
Cat Creek Unit 1	1st Cat	Cenex	Waterflood	Semi Peripheral	10/62	6,946	290	2	Third Cat Creek
Cat Creek Unit 1	2nd Cat	Cenex	Waterflood	Semi Peripheral	10/62	8,982	1,197	3	Third Cat Creek
Cat Creek Unit 2	1st Cat	Cenex	Waterflood	Semi Peripheral	12/59	9,585	123	1	Third Cat Creek
Cat Creek Unit 2	2nd Cat	Cenex	Waterflood	Semi Peripheral	12/59	11,333	888	3	Third Cat Creek
Cut Bank Dahlquist	Cut Bank	Union Oil	Waterflood	Random	11/79	132	203	1	Madison
Cut Bank Lander A	Lander Sand	Phillips	Waterflood	Random	4/65	1,997	104	1	Madison
Cut Bank Marina	Cut Bank	P & M Petroleum	Waterflood	5 Spot	6/72	2,075	—	—	Madison
Cut Bank McGuiness	Madison	Union Oil	Waterflood	Random	12/62	6,711	967	1	Madison
Cut Bank N. Central	Cut Bank	Phillips	Waterflood	5 Spot	5/78	4,271	1,397	14	Madison
Cut Bank N. East	Moulton	Ralph E. Fair	Waterflood	5 Spot	6/63	5,923	110	2	Madison
Cut Bank N. West	Cut Bank	Phillips	Waterflood	5 Spot	1/62	18,421	781	6	Madison
Cut Bank S. Central	Cut Bank	Union Oil	Waterflood	5 Spot	5/63	44,949	5,784	36	Madison
Cut Bank S. East	Cut Bank	Texaco	Disposal	—	4/62	63,497	1,532	1	Madison
Cut Bank S. West	Cut Bank	Phillips	Waterflood	5 Spot	9/62	115,460	8,485	58	Madison & Recycled
Cut Bank Tesoro	Cut Bank	Damson Oil	Waterflood	5 Spot	9/71	6,111	490	9	Madison & Recycled
Cut Bank Tweedy	Cut Bank	P & M Petroleum	Waterflood	5 Spot	6/72	1,265	178	1	Madison
Cut Bank Two Medicine	Cut Bank	Conoco	Waterflood	Random	12/67	56,342	4,241	35	Madison & Recycled
Darling	Cut Bank	P & M Petroleum	Waterflood	Random	2/67	—	—	—	Madison
Darling North	Moulton	Buttes Resources	Waterflood	Random	2/68	2,472	—	—	Produced
Darling South	Moulton	Buttes Resources	Waterflood	Random	2/67	7,548	—	—	Madison
Dean Dome	Greybull	Eastern American Energy	Steam Inj	Cyclic	8/81	29	38	1	Surface
Dwyer	Charles	Phillips	Waterflood	Peripheral	10/68	5,224	1,367	4	Dwyer Charles
Elk Basin	Frontier	Amoco	Waterflood	Crestal	12/72	6,029	474	2	Produced
Elk Basin Unit	Tensleep	Arco	Waterflood	Semi Peripheral	4/67	5,470	205	2	Produced
Elk Basin N. West	Tensleep	Arco	Waterflood	Semi Peripheral	5/76	4,961	—	—	Produced
Fairview	Red River	Superior	Pressure						
			Maint	Random		4,186	—	—	Produced
Flat Coulee	Swift	Phillips	Waterflood	Peripheral	2/72	9,497	2,181	14	Eagle
Flat Lake	Ratcliffe	Chevron	Pressure						
			Maint	Random		3,103	7,882	24	Produced
Frannie	Tensleep	Conoco	Waterflood	Random	11/70	156,588	59,359	41	Produced
Frannie	Tensleep	Conoco	LPG Inj	Random	11/70	101,000	30,493	15	Produced
Fred & George Creek	Sunburst	Fulton	Waterflood	Random	7/76	40,380	9,027	2	Madison & Eagle
Gas City	Red River	Shell	Waterflood	Semi Peripheral	10/69	16,350	41	1	Mission Canyon
Goose Lake	Ratcliffe	Cotton Petroleum	Waterflood	Semi Peripheral	1/73	17,871	5,636	5	Produced
Gumbo Ridge	Tyler B	Milestone Petroleum	Waterflood	Semi Peripheral	6/80	1,807	1,318	2	Produced Cat Creek
Ivanhoe	Tyler	Tomahawk Oil	Pressure						
			Maint	Random		22	60	1	Produced
Jim Coulee	Tyler	McAlester Fuel	Waterflood	Semi Peripheral	7/72	9,603	3,375	6	Produced Cat Creek
Keg Coulee	Tyler	Buttes Resources	Waterflood	Semi Peripheral	8/66	4,747	942	2	Madison
Keg Coulee Tyler	Tyler	Juniper Petroleum	Waterflood	Semi Peripheral	12/69	3,609	—	—	Produced
Keg Coulee Unit	Tyler	Union Texas	Waterflood	Semi Peripheral	1/70	7,530	—	—	Produced
Kelley	Tyler B	McAlester Fuel	Waterflood	Random	7/69	3,863	1,071	1	3rd Cat Creek
Kevin Sunburst	Sunburst	Texaco	Waterflood	Random	8/64	11,830	942	8	Madison
Kevin Sunburst Homestake	Sunburst	Midco Drilling	Waterflood	Random	8/64	7,750	1,110	7	Produced & WSW
Laird Creek	Swift	Milestone Petroleum	Waterflood	Semi Peripheral	2/77	807	5	1	WSW
Little Beaver	Red River	Shell Oil	Waterflood	Semi Peripheral	8/66	38,916	5,556	12	Produced
Little Beaver East	Red River	Shell Oil	Waterflood	Semi Peripheral	4/65	14,604	3,791	6	Produced
Lookout Butte Coral Creek	Red River	Shell Oil	Waterflood	Semi Peripheral	4/67	36,646	3,737	13	Minnelusa
Melstone North	Tyler	True Oil	Polymer Inj	UK	1/83	863	1,315	3	3rd Cat Creek
Monarch	Liluro Ord	Shell Oil	Waterflood	UK		4,913	479	2	UK

1984 SUMMARY (CONTINUED)

Field	Formation	Operator	Type of Project	Injection Pattern	Date inj. Com.	1984	Avg. Daily Inj. Rate Bbls. or MCF	No. of Inj. Wells	Source of Injection Media and Remarks
						Cumulative Injections M Bbls. or MMCF			
Pennel	Stoney Mountain & Red River	Shell Oil	Waterflood	Random	8/69	146,931	61,027	55	Dakota & Produced
Pine S A	Siluro Ord	Shell Oil	Waterflood	Semi Peripheral	3/59	101,387	25,515	23	Fox Hills & Produced
Pine N C & D	Red River	Shell Oil	Waterflood	Semi Peripheral	3/68	21,098	1,293	4	Lodgepole
Prichard Creek	Sunburst	Fulton Producing	Waterflood	Random	4/73	946	573	1	Eagle
Ragged Point Tyler A	Tyler	Buttes Resources	Waterflood	Semi Peripheral	12/66	9,345	984	4	Cat Creek
Raymond	Nisku	Santa Fe Energy	CO ₂ Inj	UK	8/83	319	611	1	Duperow
Ragged Point S. West	Tyler	Petro Lewis	Waterflood	UK	10/82	1,355	1,649	3	WSW
Regan Dome	Madison	Union Oil	Waterflood	Random	7/73	3,810	1,375	5	Produced
Red Creek	Cut Bank	Exxon	Waterflood	5 Spot	6/65	20,671	2,038	4	Madison
Richey S. West	Dawson Bay & Interlake	Arco	Waterflood	Random	12/65	2,699	66	1	WSW
Roscoe Dome	Lakota	Eastern American Energy	Steam Inj	UK	5/82	5	—	—	Surface (1 Month)
Stensvad	Tyler	Tomahawk Oil	Waterflood	Semi Peripheral	12/63	28,494	181	3	Produced
Sumatra Central	Tyler	Texaco	Waterflood	Semi Peripheral	9/69	118,901	23,208	16	Madison & Produced
Sumatra Grebe	Tyler	Cenex	Waterflood	Random	6/75	570	49	1	Madison & Produced
Sumatra N. East	Tyler	Texaco	Waterflood	Semi Peripheral	9/69	9,090	2,312	5	Madison & Produced
Sumatra Sawyer	Tyler	Buttes Resources	Waterflood	Semi Peripheral	6/80	998	263	1	Madison
Sumatra S. East	Tyler	Buttes Resources	Waterflood	Semi Peripheral	12/69	20,047	4,027	4	Madison
Sumatra West	Tyler	Conoco	Waterflood	Semi Peripheral	10/68	46,368	9,392	8	Produced
Sumatra W. Kincheloe	Tyler	Exeter	Waterflood	Semi Peripheral	5/82	4,267	4,422	6	Madison
Tippy Buttes	Tyler	True Oil	Waterflood	Random	5/82	72	60	1	Dakota
Winnett Junction	Tyler	Petro Lewis	Waterflood	Random	10/77	4,937	2,351	2	Produced & WSW

OIL AND GAS FIELDS

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
ALKALI COULEE Red River (Ord.)	1	320-acre spacing units; well location no closer than 660' from unit boundary and no closer than 1650' from well producing from the same pool. (Order 77-81).	None
ALMA Bow Island (L. Cret.) Gas	3	640-acre spacing units. Location to be no closer than 990' from spacing unit boundary. (Order 19-77).	None
ALMA, NORTH Blackleaf (L. Cret.)		Single spacing unit; (Order 95-82).	None
AMANDA Swift (U. Jur.) Gas Bow Island (Cret.)	3 4	320-acre spacing units for gas with one well per horizon from the base of the Swift to the surface to be located no closer than 660' from unit boundary. Spacing unit to consist of two contiguous quarter sections lying within one or two governmental sections. (Order 76-79). Field enlargement. (Order 25-83).	None
ANDES Red River (Ord.) Mission Canyon (Miss.)	0	Statewide.	None
ANTELOPE COULEE Blackleaf (L. Cret.) Gas	3	Statewide.	None
ANTELOPE, NORTH Red River (Ord.) Winnipegosis (Dev.)	3 1	See Pronghorn.	None
ANVIL Red River (Ord.) Nisku (Dev.) Ratcliffe (Miss.)	8 1 1	Statewide.	'Produced water disposed into the Dakota formation (Order 12-A-82)
ANVIL, NORTH Ratcliffe (Miss.) Red River	0	Statewide.	None
ARCH APEX Bow Island (L. Cret.) Gas Swift (U. Jur.) (Shut-in) Sunburst (L. Cret.) Oil Gas (Shut-in)	38 3 4 1 1	330' from legal subdivision; 2400' from any other drilling or producible gas well producing from the same reservoir; 75' topographic tolerance. (Order 4-60) Sometimes called Colorado Blackleaf pool. (Swift) Statewide.	None
ASH CREEK Shannon (U. Cret.) (Shut-in)	3 5	Spacing waived within unitized portion of field except no well may be drilled closer than 660' from unit boundary. (Order 4-65).	Waterflood started October, 1964 (Orders 22-64,15-66)
AUTUMN Mission Canyon (Miss.) (Shut-in)	1 1	Statewide.	Produced water disposed into Dakota formation (Order 112-A-82)
BADLANDS Eagle (U. Cret.) Gas (Shut-in)	9 2	Drilling and spacing units allow one well per governmental section to be located anywhere within a section but no closer than 990' to a section line. (Order 22-78).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks		Secondary or Water Disposal
BAINVILLE				
Gunton (Ord.)	1	Statewide. Single 320-acre spacing unit for Winnipegosis formation. (Order 117-84).		None
Interlake	1			
Red River	1			
BAINVILLE II				
Red River	2	320-acre spacing units; no well closer than 660 feet to the unit boundaries. (Order 36-82).		None
BAINVILLE, NORTH				
Winnipegosis (Dev.)	3	320-acre spacing units to consist of two governmental quarter sections located in either one or two governmental sections. Wells to be located no closer than 660' to unit boundary and no closer than 1650' to any well producing from the same formation. (Order 84-79). Board Order 84-79 is amended to permit a tolerance of 150' from the well location requirements of said order for topographic purposes. (Order 39-80).		None
Red River (Ord.)	6			
Ratcliffe	1			
BAINVILLE, WEST				
Madison (Miss.)	1	320-acre spacing units to consist of two governmental quarter sections that may be in either one or two governmental sections. Location to be no closer than 660' to the unit boundary or closer than 1650' to another producing well within the field. (Orders 19-78, 42-79). 320-acre spacing units aligned in east-west direction with permitted well to be no closer than 660' to unit boundary (Order 57-80).		None
Red River (Ord.)	3			
BANNATYNE				
Swift (U. Jur.)	Oil	37	Center of 10-acre tracts, 50' topographic tolerance. Commingling permitted. (Order 20-58).	Pilot waterflood of Swift suspended in 1963.
	(Shut-in)	2		
BATTLE CREEK				
Eagle (U. Cret.)	Gas	27	Statewide.	None
	(Shut-in)	1		
BEARS DEN				
Swift (U. Jur.)	Oil	7	Statewide.	None
	Gas	1		
Bow Island	Gas	2		
Madison	Gas	1		
BELFRY				
Kootenai	Oil	1	Statewide.	None
BELL CREEK				
Muddy (L. Cret.)	Oil & Gas	213	Originally 40-acre spacing units with location 660' from unit boundary with 150' tolerance for topographic reasons only. (Orders 37-67, 39-67, 50-67, 1-69, 17-70). Field now unitized. Tertiary program, (Order 25-80).	Six areas unitized (Unit "A", "B", Ranch Creek, "C", "D", and "E"). Floods used Madison water. (Orders 7-70, 23-70, 8-71, 26-71, 35-71, 36-71). Tertiary enhanced recovery authorized for Units "A", "B", "D", (Orders 82-84, 111-84, 112-84).
	(Shut-in)	84		
BELL CREEK, SOUTHEAST				
Muddy (L. Cret.)	Gas	1	160-acre spacing units, wells 660' from spacing unit boundary. (Order 31-71).	None
	(Shut-in)	1		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
BENRUD & AREA			
Madison	1	160-acre spacing units with permitted location within a 1320' square in center of quarter section. (Order 6-65). Field boundaries reduced. (Order 66-84).	Water disposal into Judith River formation. (Order 64-62.)
BENRUD, EAST			
Nisku (Dev.)	3	Same as Benrud Field. (Order 6-65). Single spacing unit. (Order 108-84).	Water disposal into Judith River formation. (Orders 64-62, 32-66, 4-A-73.)
BENRUD, NORTHEAST			
Nisku (Dev.)	1	Same as Benrud Field. (Order 6-65).	Water disposal into Judith River formation. (Order 32-66.)
BERTHELOTE			
Sunburst (L.Cret.)	2	Wells located 330' from lease lines; 660' between wells with no more than one well per governmental quarter-quarter section. (Order 18-66).	None
BIG COULEE			
3rd Cat Creek (L. Cret.) Gas	6	Statewide.	None
Morrison (U. Jur.) Gas	1		
Lakota Gas	1		
BIG GULLY			
L. Tyler (Penn.)	2	Statewide.	None
BIG GULLY, NORTH			
L. Tyler (Penn.)	1	Statewide.	None
BIG MUDDY CREEK			
Mission Canyon	1	One well per 320-acre spacing unit with well no closer than 660 feet from boundary of four east-west units. (Order 4-75).	None
(Shut-in)	1		
Red River (Ord.)	3		
Ratcliffe	2		
BIG ROCK			
Blackleaf (L. Cret.) Gas	23	640-acre spacing units for Blackleaf "A" formation. Location to be no closer than 990' to any governmental section line. (Order 31-78).	None
Bow Island	10		
(Shut-in)	1		
Madison	1		
BIG WALL			
Amsden (Penn.)	1	Spaced by old statewide spacing; 330' from lease or property line, 990' between wells in same reservoir. (Order 12-54).	Previous disposal into Tyler "A" stopped in 1961. Waterflood of Tyler "B" sand started August 1966. (Order 22-66). Another Tyler "B" waterflood authorized by Order 96-83. Excess produced water disposed into the Tyler "B" formation. (Order 13-A-77).
Tyler (Penn.)	12		
(Shut-in)	8		
BILLS COULEE			
Kootenai	4	Field without restrictions except that no well may be drilled closer than 330' from the exterior boundary of the field. (Order 22-80).	None
(Shut-in)	3		
BLACK BUTTE			
Eagle (U. Cret.) Gas	1	320-acre spacing units consisting of either the N/2 and S/2 or E/2 and W/2 of the section with well location to be no closer than 990' from a section line nor closer than 660' to the interior boundary. (Order. 134-80).	None
(Shut-in)	1		

Field, Formation, Age		No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
BLACK COULEE Eagle (U. Cret.)	Gas	8	320-acre spacing units; well to be located no closer than 990' from unit boundary. (Order 6-73). Well location to be no closer than 660' to eastern boundary of Black Coulee Field. (Order 37-79). Field extension. (Order 71-79).	None
BLACK DIAMOND Red River (Ord.)		2	320-acre spacing units; well location no closer than 660' from unit boundary. (Order 147-81).	None
BLACKFOOT Cut Bank & Madison		8	One well only per 40-acre spacing unit; 300' tolerance from center of spacing unit. Dual completion in Cut Bank and Madison with administrative approval. (Order 3-57).	Waterflood started November, 1976. (Order 34-76.)
BLACKFOOT GAS FIELD Bow Island (Cret.)		7	Single spacing unit. (Order 51-82).	None
BLACKFOOT-SHALLOW GAS Dakota (L. Cret.)		9	640-acre spacing units; one well per section per producing horizon above the Kootenai with location to be no closer than 990' to unit boundaries. (Order 121-80).	None
BLACKJACK Sunburst (L. Cret.)		10	One gas well per 160 acres, no closer than 660' from boundary of each unit. (Order 3-69). Statewide spacing. Order 3-69 amended to include Blackleaf in spacing and field rules for gas. (Order 4-74).	None
Bow Island		2		
Blackleaf (U. Cret.)		2		
Second White Specks		1	Blackleaf gas pooled. (Order 3-75).	
BLACKLEAF CANYON Sun River (Miss.)	Gas			
	(Shut-in)	1	Single spacing unit with Blackleaf Federal 1-A as designated well. (Order 84-81).	None
BLACKLEAF UNIT Sun River (Miss.)		2	Well spacing requirements set forth in 82-11-201 MCA and Board Rule 36.22.702 are suspended provided no well drilled to be closer than 990' from unit boundary. (Order 47-81).	None
	(Shut-in)	1		
BLOOMFIELD Interlake and Red River (Ord.) Dawson Bay		4	320-acre spacing units consisting of two contiguous governmental quarter sections which need not be in the same section; wells located no closer than 660' to spacing unit boundaries. (Order 38-83). Dawson Bay formation added and commingling of Dawson Bay, Interlake, and Red River formations authorized. (Order 16-84). Enlarged. (Order 32-84).	None
BLUE HILL Red River (Ord.)		1	Statewide.	None
BORDER Cut Bank	Oil	11	Oil: Unitized into New and Old Border fields. Unitized 6-1-73. (Orders 8-73, 9-73).	Waterflood approved. Orders 8-73, 9-73, 28-73.)
	(Shut-in)	1		
Sunburst	Gas	1	Gas: 330' from boundary of legal subdivision. 2,400' between wells in same formation on same lease. 75' topographic tolerance. (Order 7-54).	
Moulton	Gas	1		
BOULDER Red River (Ord.)		1	Statewide spacing. (Order 16-71).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
BOWDOIN & AREA			
Bowdoin & Phillips sands in Colorado Shale (U. Cret.) Gas	550	One well per quarter section not less than 1000' from lease boundary or less than 2000' from any gas well in same horizon. (Order 29-55). Unitized 1958. Delineated: (Order 3-72). One additional well in each 640-acre spacing unit no closer than 990' to spacing unit boundary in Whitewater and Ashfield Units. (Order 41-82).	Produced water injected into Phillips Sand-Ashfield unit. (Order 10-A-77.)
(Shut-in)	72		
BOWES			
Eagle (U. Cret.) Gas	36	660' from boundary of legal subdivision, 1320' from other wells in same formation. 75' topographic tolerance. (Order 23-54). Order 23-54 amended by establishing 160-acre Eagle spacing units in Sec. 5, 6, 7, 8, 17, 18 31N-19E. (Order 44-75).	Pilot waterflood initiated in 1961 and expanded to fieldwide waterflood in 1965. (Order 6-61.) Water from Madison.
(Shut-in)	3		
Sawtooth (M. Jur.) Oil	54	330' from lease or property line, 990' between wells in the same formation. (Order 13-54). Vacuum pumps authorized for Sawtooth formation wells. (Order 74-83).	
(Shut-in)	35		
BOX CANYON			
Red River (Ord.)	3	Statewide.	None
BRADLEY			
Madison (Miss.) Oil	1	One well per formation per section for production of gas from all horizons above the top of the Kootenai formation. (Order 91-84).	None
Sunburst (L. Cret.) Oil	1		
(Shut-in)	1		
Dakota Gas	1		
BRADY			
Sunburst (L. Cret.)	11	10-acre spacing units with 75' topographic tolerance from center of spacing unit. (Orders 34-62, 55-62). Field enlargement. Operators may commingle production from Burwash and Sunburst formations in Section 16. (Order 86-81).	Produced water disposed into Sunburst formation (Order 62-A-84).
(Shut-in)	2		
Morrison	3		
BRADY, NORTH			
Morrison	7	Statewide.	None
(Shut-in)	2		
BREDETTE			
Charles	(Shut-in) 1	Statewide.	None
BREED CREEK			
Tyler (Penn.)	14	Statewide.	None
(Shut-in)	1		
BRORSON			
Madison (Miss.) Oil & Gas	9	One well per 160-acre unit, no closer than 660' from unit boundary (Mission Canyon and Red River). (Order 5-69). Field enlargement. (Order 25-82). Gas to Brorson Field Plant.	Produced water injected into Dakota formation. (Order 129-A-81.)
Red River (Ord.) Oil & Gas	3		
Bakken (Miss.)	1		
BRORSON, SOUTH			
Red River (Ord.) Oil & Gas	3	One well per 160-acre unit, no closer than 660' from unit boundary. (Order. 26-68). Gas to Brorson Field Plant. Reduced Field Area. (Order 26-77).	None
Madison	2		
BROWN'S COULEE			
Eagle (U. Cret.) Gas	1	One well per 160-acre unit with well location no closer than 660' from unit boundary. Commingling permitted with administrative approval. (Order 7-74).	None
(Shut-in)	1		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
BROWN'S COULEE, EAST			
Eagle (U. Cret.) Gas	2	Statewide.	None
(Shut-in)	1		
Judith River	1		
BRUSH LAKE			
Red River (Ord.) Oil & Gas	5	320-acre spacing with initial nine spacing units described in (Order 15-71 corrected.)	None
BUFFALO FLAT			
Bow Island (L. Cret.) Gas	6	Statewide.	None
Duperow Oil	1		
(Shut-in)	4		
BUFFALO LAKE			
Sawtooth	2	Statewide.	None
BULLWACKER			
Judith River, Eagle-Virgelle		One well per 320-acre spacing unit with well location no closer than	None
(U. Cret.) Gas	37	660' from unit boundary and 990' from field boundary. (Order	
(Shut-in)	2	26-74).	
BURGET			
P & A'd		320-acre spacing units; well location to be no closer than 660' to	None
		unit boundary and 1650' from existing well. 150' tolerance for	
		topographic reasons. (Order 25-81).	
BURGET, EAST			
Madison (Miss.)	4	Statewide.	None
Red River (Ord.)	2		
(Shut-in)	1		
BURNS CREEK			
Red River (Ord.)	1	Statewide.	None
Duperow (Dev.)	1		
BURNS CREEK, SOUTH			
Red River	2	320-acre spacing units; well location to be no closer than 660' from	None
		unit boundary. (Order 2-82).	
BUTCHER CREEK			
Greybull (L. Cret.)		Statewide.	None
CABIN CREEK			
Unit #1 Interlake & Red River	77	Spacing waived and General Rules for (Deviation), (Commingling), and	Waterflood of Siluro-Ordovician
(Siluro-Ord.)		(Dual Completion) are suspended until present Unit Agreement	(Orders 5-59,15-60 &30-63). Produc-
(Shut-in)	10	becomes inoperative. (Order 36-62). Many wells produce from both In-	ed water injected into the Mission
Unit #2 Madison (Miss.)	10	terlake and Red River by dual completions. Gas through extraction	Canyon (Order60-62).
		plant. Field boundaries amended and spacing units designated. (Order	SWD approved EPA-84
		118-84).	
CAMP CREEK			
Claggett (U. Cret.) Gas	1	Statewide.	None
(Shut-in)	2		
CANADIAN COULEE			
Sawtooth (M. Jur.) Gas	1	320-acre spacing units with well location no closer than 660' from	None
Piper	1	unit boundary, and 990' from field exterior boundaries. (Order	
		18-76).	

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
CANADIAN COULEE, NORTH			
Sawtooth (M. Jur.) Gas	2	640-acre spacing units. Location to be no closer than 1650' to section line. (Order 15-74).	None
(Shut-in)	1		
CANAL			
Red River (Ord.)	1	320-acre spacing units consisting of east half and west half of governmental section. (Order 34-70).	None
Madison (Miss.)	4		
CANNON BALL			
Red River (Ord.)	1	Statewide.	None
CARLYLE			
Red River (Ord.)	2	320-acre spacing units; to consist of either the N/2 and S/2 or E/2 and W/2 of section or lots corresponding thereto. Well location to be no closer than 660' to unit boundary nor closer than 1650' to any well drilling or producing from the same pool. (Order 39-79).	Produced water disposed into Dakota formation. (Order 126-A-81.)
CAT CREEK			
Amsden	3	220' from lease or property line, 440' from every other well in same formation. (Order 17-55). Three separate producing areas, East, Mosby and West Domes. Field enlargement upper and lower Brindley wells in S1 T15N R28E are to be no closer than 350' from other Morrison wells in said section. (Order 101-82).	Three Kootenai, two Ellis, and one Amsden waterflood in progress. Orders 17-56, 18-59, 13-62, 8-68, 38-70, 11-71.) Water from Third Cat Creek sand. Waterflood modified. (Order 29-74.)
East Dome—Ellis	13		
Mosby Dome—Ellis	11		
Mosby Dome—Cat Creek	7		
West Dome—Cat Creek	33		
West Dome—Ellis	1		
West Dome—Morrison	2		
West Dome—Mowry	2		
(Shut-in)	6		
CEDAR CREEK			
Judith River (U. Cret.)	5	1200' from legal subdivision line, 2400' from every other well in same formation. (Order 33-54). 320-acre spacing units, wells in center of NW 1/4 and SE 1/4 of each section with 200' topographic tolerance. (Order 1-61). Field extension. (Order 23-76).	None
Eagle (U. Cret.) Gas	87		
(Shut-in)	4		
CHAIN LAKES			
Eagle (U. Cret.)	2	Statewide.	None
(Shut-in)	3		
CHARLIE CREEK			
Nisku (Dev.)	1	320-acre spacing units, either east-west or north-south at option of operator, located no closer than 660' from spacing unit boundary and no closer than 1650' from another producing well. Spacing units may not cross section lines. (Order 66-76).	None
Duperow (Dev.)	1		
Red River (Ord.)	1		
CHARLIE CREEK, EAST			
Red River (Ord.)	3	Statewide.	None
CHARLIE CREEK, NORTH			
Red River (Ord.) Gas	1	Single spacing unit. (Order 37-82).	None
Bakken	1	Statewide.	
Madison (Miss.)	1		
CHERRY PATCH			
Eagle (U. Cret.) (Shut-in)	2	Statewide.	None
CHINOOK, EAST			
Eagle (U. Cret.)	3	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
CHIP CREEK Eagle-Virgelle (U. Cret.) Gas	3	160-acre spacing units. Location no closer than 660' from spacing unit boundary. (Order 89-76).	None
CLARK'S FORK Greybull	1	330' from quarter-quarter section line. 1320' between wells with 75' topographic tolerance. (Order 17-54).	None
CLARK'S FORK, SOUTH Greybull (L. Cret.) (Shut-in)	1	160-acre spacing; location no closer than 330' from quarter section line or 1320' from any other well.	None
CLEAR LAKE Red River (Ord.) Madison Nisku	6 4 2	Statewide.	Produced water disposed into Dakota, Muddy, Lakota, & Swift formation. (Orders: 41-A-80, 60-A-80, 91-A-80, 116-A-81, 123-A-81).
CLEAR LAKE, SOUTH Red River	1	Statewide.	None
COAL COULEE Eagle (U. Cret.) Gas (Shut-in)	1 1	One well per governmental section, to be located no closer than 990' from section line and only one well permitted per formation. (Order 25-78). Amendment to (Order 25-78) provides 320-acre spacing units within certain sections to be designated by the operator. Well to be located no closer than 990' to unit boundary. (Order 36-79).	None
COAL RIDGE Mission Canyon (Miss.)	1	Statewide.	Produced water injected into the Dakota formation (Order 81-A-79.)
COLORED CANYON Red River (Ord.)	6	Statewide. Single spacing unit comprised of N 1/2 Sec 7, T32N, R57E. (Order 28-84).	None
COMERTOWN Red River (Ord.) Ratcliffe (Miss.) Nisku (Dev.) Duperow (Dev.)	5 1 3 1	320-acre spacing units; permitted well to be no closer than 660' to unit boundary. (Order 35-80). Field enlargement. (Orders 9-81 and 150-81).	Produced water injected into the Dakota formation (Order 107-A-82)
COMERTOWN, SOUTH Red River (Ord.)		320-acre spacing units consisting of N 1/2 and S 1/2 of Sec 21 and W 1/2 of Sec 22, T36N, R57E, wells located no closer than 660' to unit boundary. (Order 96-84).	None
CONRAD BUTTE (Renamed Ledger)		(See Ledger Field)	
CONRAD SOUTH Dakota (L. Cret.) Morrison	2 6	10-acre spacing units. Wells in center of each unit with 75' topographic tolerance. (Orders 34-62, 31-63).	None
CORNER POCKET Red River	1	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
COTTONWOOD			
Red River (Ord.)	1	Single spacing unit. (Order 85-84).	None
COW CREEK			
Charles (Miss.)	1	80-acre spacing units, direction at option of operator but wells to be in SW 1/4 and NE 1/4 of each quarter section. (Order 11-69).	None
COW CREEK, EAST			
Kibbey (Miss.)	10	40-acre spacing units consisting of quarter-quarter section with per-	Produced water disposed into
(Shut-in)	1	mitted well to be at center with 150' topographic tolerance. (Order 35-74).	Dakota formation. (Order 30-A-75 and 61-A-76.)
CRANE			
Red River (Ord.)	1	320-acre spacing units consisting of one half of a governmental sec-	None
Duperow (Dev.)	4	tion with well location to be no closer than 660' from unit boundary and no closer than 1650' to any well drilling or producing from the same pool. (Order 40-79).	
CROCKER SPRINGS, EAST			
Madison (Miss.)	1	80-acre spacing units to be either the N/2 or S/2 of a regular quarter section. Well to be located in the center of either the NE quarter quarter or the SW quarter quarter section with a 150' topographic tolerance. (Order 68-82).	None
CULBERTSON			
Red River (Ord.)	1	Statewide in part. Unitized as to SE 1/4 of Section 32, SW 1/4 of Section 33, N 1/2 NW 1/4 of Section 4, and N 1/2 NE 1/4 of Section 5. (Order 29-70).	Produced water disposed into Red River formation (Order 13-A-72.)
CUPTON			
Red River (Ord.)	9	160-acre quarter section spacing units. Location no closer than 660'	Produced water disposed into Red
(Shut-in)	1	from spacing unit boundary. (Order 4-72).	River formation. (Order 1-A-80.)
CUPTON AREA			
Red River (Ord.)	1	Statewide.	None
CUT BANK			
Cut Bank	Oil	524	There are 18 waterfloods in progress. Water from Eagle and Madison, or produced. Produced water disposed into Madison formation. (Orders 51-65, 52-65, 22-A-74, 80-A-76, 55-A-77, 60-A-80, 91-A-80, 123-A-81, 39-A-82, 20-A-84). SCCBSU enhanced recovery approved EPA-84.
	Gas	171	
Moulton	Oil	50	
	Gas	2	
Madison	Oil	48	
	Gas	2	
Blackleaf	Gas	1	
Sunburst	Oil	4	
	Gas	7	
Bow Island	Gas	13	
Swift	Gas	1	
(Shut-in)	357	(Kootenai formation includes Moulton, Sunburst, and Cut Bank sands). Oil: 330' from legal subdivision line, 650' between wells in same formation 5-spot on 40-acre tract permitted. 75' topographic tolerance. (Order 10-54). Gas: 330' from legal subdivision, 2400' between wells in same formation. 75' topographic tolerance. (Order 10-54). Sections 20, 29, and 32 of Township 36 North, Range 4 West spaced 320-acres (N 1/2 and S 1/2). (order 26-70). 320-acre spacing units for gas; (Cut Bank) units; (E 1/2 & W 1/2) wells to be located no closer than 330' from legal subdivision line nor less than 2400' from drilling or producible well producing from same reservoir. (Orders 82-76, 6-77). Field extension (Order 3-79). Board Orders No. 10-54, 26-70, 6-77, 82-76 and 3-79 amended to include all formations from surface to base of Madison Lime Formation. (Order 45-80). Field enlarged. (Order 68-83).	

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
DAGMAR Red River (Ord.)	4	Statewide.	None
DAGMAR, NORTH Red River (Ord.) Madison	1 1	320-acre spacing units; well location no closer than 660' from unit boundary. (Order 6-81).	Produced water injected into Dakota formation. (Order 124-A-81.)
DARLING (included as part of Cut Bank Field)			
DEADMAN'S COULEE Nisku (Dev.)	4	Statewide.	Produced water injected into Judith River formation. (Order 132-A-81.)
DEAN DOME Greybull (L. Cret.)	Gas (Shut-in) Oil	1 1 5	Statewide. Oil ring below gas cap.
DEER CREEK Interlake (Sil.) Red River	2 1	80-acre spacing units consisting of any two adjacent quarter-quarter sections. Well location in NE 1/4 and SW 1/4 of each quarter section with 75' topographic tolerance. (Orders 23-55 & 14-59). Commingling of production permitted upon approval of Board Petroleum Engineer. (Order 18-63).	Excess produced water is disposed into Dakota and Lakota, Morrison and Swift formations. (Orders 6-56, 3-58 & 53-A-83).
DEER CREEK, NORTH Tyler (Penn.)	Gas	0	Single spacing unit comprised of S 1/2 Sec 14 and N 1/2 Sec 23, T18N, R53E. (Order 26-84).
DELPHIA Amsden (Penn.)		2	Statewide.
DEVIL'S BASIN Heath (U. Miss.) Tyler	(Shut-in)	6 1	10-acre spacing units; well location to be in the center of each spacing unit with a 75' tolerance permitted for topographic or geologic reasons. (Order 114-80).
DEVON, SOUTH Bow Island (L. Cret.)	Gas	1	Drilled on statewide spacing. Unitized for primary production. (Order 28-71, corrected). 320-acre spacing units; wells located no closer than 660' to unit boundaries. (Order 24-84).
DIAMOND POINT Red River (Ord.)		2	320-acre spacing unit; allowing two wells to produce from the Red River or from commercial production at any depth shallower. (Order 20-80).
DIVIDE Madison (Miss.)		8	Statewide.
			Produced water disposed into Dakota formation (Order 42-A-80, 130-A-81.)

Field, Formation, Age		No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
DRY CREEK				
Frontier	Oil	5	Statewide.	None
	Gas	8	Field redelineated. (Order 8-70).	
Judith River	Gas	2		
Virgelle	Oil	1	Six additional gas storage wells, west end of structure.	
	Gas	1		
Greybull	Oil	2		
	(Shut-in)	1		
DRY CREEK MIDDLE				
Frontier (U. Cret.)	Gas	1	320-acre spacing units consisting of two adjacent governmental quarter sections lying north-south or east-west at operator's option with permitted well no closer than 660' from spacing boundary. (Order 25-75).	None
	Oil	1		
	(Shut-in)	1		
DRY CREEK, WEST				
	Gas	1	160-acre spacing units; well location anywhere in spacing unit but no closer than 660' from unit boundary. (Order 43-78). Order 43-78 amended to include Frontier formation. (Order 65-82). Field enlargement. (Order 86-82).	None
	(Shut-in)	1		
DUGOUT CREEK				
Red River (Ord.)		1	320-acre spacing units. Well to be no closer than 660' from unit boundary. (Order 22-82).	None
DUNKIRK				
Bow Island	Gas	6	Only one well may produce from each producing zone, formation, or horizon, but no closer than 990' from section lines. (Order 58-81). Field enlargements. (Orders 104-81 and 66-82).	None
Dakota	Gas	15		
	(Shut-in)	1		
DUNKIRK, NORTH				
Bow Island (L. Cret.)		16	One well per governmental section per zone or horizon. Each producing well to be located anywhere within section but no closer than 990' from section line. (Order 25-77). Field enlargements. (Orders 64-78 and 157-81).	None
DWYER				
Madison (Miss.)		13	160-acre spacing units; well location in center of SE 1/4 of spacing units with 175' topographic tolerance. (Orders 25-60, 29-61).	Produced water disposed into Dakota formation. (Order 26-63.) Waterflood. (Order 20-68.)
	(Shut-in)	1		
Red River (Ord.)		4		
DWYER - RED RIVER				
Red River "C"		1	Single spacing unit with 2 wells. (Order 97-83).	None
Red River "D" & "E"		1		
EAGLE				
Madison (Miss.)		24	Statewide.	None
Red River		1		
Duperow		2		
EAGLE SPRINGS				
Bow Island (L. Cret.)	Gas	6	One well per governmental section per zone, located anywhere but no closer than 990' from section line for all gas zones above the top of the Kootenai. (Order 4-78) Commingling of Swift and Sunburst permissible. (Order 19-79).	None
	(Shut-in)	4		
EAST GLACIER				
Greenhorn (U. Cret.)		1	Statewide. 160-acre spacing units. (Order 41-81). Amended to enlarge field and designate 80-acre spacing units with permitted well to be located no closer than 330' to the exterior boundaries. (Order 112-81).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
ELK BASIN (Mont. Portion)			
Frontier (U. Cret.)	13	Statewide spacing is waived within unit area. (Order 10-61). Gas to Elk Basin gasoline plant.	Frontier: Water injection (Order 1-72.) Embar - Tensleep pressure maintenance by crestal gas injection. Waterflood approved in 1966. (Order 5-66.) Madison: Water Injection (Order 17-61.)
(Shut-in)	7		
Embar-Tensleep (Perm. Penn.)	15		
(Shut-in)	14		
Madison (Miss.)	21		
(Shut-in)	1		
ELK BASIN, NORTHWEST			
(Shut-in)	6	Spacing waived within unitized portion except that bottom of hole be no closer than 330' from unit boundary and there be at least 1320' surface distance between wells in same formation; 75' topographic tolerance. (Orders 43-63, 28-64). Gas to Elk Basin gasoline plant.	Frontier: Waterflood in progress. Embar- Tensleep: Waterflood. (Order 3-67, 6-74.) Madison, produced water.
Embar-Tensleep (Perm. Penn.)	3		
ENID, NORTH			
Bakken	2	Spaced for one well field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, R54E. (Order 45-79).	None
Red River (Ord.)	3		
EPWORTH			
Red River (Ord.)	1	Statewide.	None
ETHRIDGE			
Swift (U. Jur.) Gas	6	Statewide, except two wells. (Order 28-65).	None
ETHRIDGE, NORTH			
Swift (U. Jur.)	1	320-acre spacing units; well location to be no closer than 660' from unit boundaries. Section 2, T33N, R4W is a 640-acre spacing unit. (Order 98-81).	None
FAIRVIEW			
Duperow (Dev.)	(Shut-in)	160-acre spacing units. Well location anywhere in spacing unit but no closer than 660' from unit boundary. (Orders 48-65, 1-67, 43-67, 44-67, 38-84). Gas to Fairview plant. Field area reduced. (Order 119-84).	Northwest part of field unitized for gas injection. Gas from Fairview and Brorson fields. (Order 11-70.) Salt water disposal into Dakota. (Orders 9-A-71, 24-A-71.)
Red River (Ord.)	Oil & Gas		
Madison	13		
Interlake (Sil.)	4		
Mission Canyon	3		
	3		
FAIRVIEW, EAST			
Red River (Ord.)	2	320-acre spacing units; designated well in the north half of Section 28 may be located no closer than 660' from the unit boundary or 1650' from any well producing from the same pool. (Order 76-81).	None
FAIRVIEW, WEST & AREA			
Ratcliffe (Miss.)	2	Statewide.	None
FERTILE PRAIRIE			
Red River (Ord.)	5	80-acre spacing units consisting of north-south rectangular units. Well location in NW 1/4 and SE 1/4 of quarter section with 75' topographic tolerance. (Orders 3-56, 7-62). Board Orders 3-56 and 7-62 amended to provide well locations for each 80-acre spacing unit to be the center of the SW or NE quarter quarter section of each quarter section with 75' tolerance for surface obstructions. (Order 65-80).	None
FIDDLER CREEK			
Greybull (L. Cret.)	2	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks		Secondary or Water Disposal
FISHHOOK				
Red River (Ord.)	4	Statewide.		None
FITZPATRICK LAKE				
Bow Island (U. Cret.)		One well per governmental section located no closer than 990' from section line for all gas zones above the top of the Kootenai. (Order 31-79). Field enlarged. (Order 113-84).		None
Gas	8			
(Shut-in)	2			
FLAT COULEE				
Bow Island (L. Cret.)	Gas	2	330' from boundary of legal subdivision and 1320' from other wells in same reservoir. (Order 16-55).	Waterflood unit and redelineation approved for Swift sandstone. (Orders 13-71, 17-A-71, 22-71.)
Swift (Jur.)	Oil	23	40-acre spacing units. Well in center of spacing unit with 150' topographic tolerance. (Orders 16-62, 19-63).	
Dakota (L. Cret.)	Gas	1	Statewide gas spacing.	
Swift (Jur.)	Gas	3		
Sawtooth (Jur.)	Gas	1		
Blackleaf	Gas	1		
FLAT LAKE				
Madison (Miss.)	(Shut-in)	55	160-acre spacing units; well location in center of NE 1/4 of quarter section with 200' topographic tolerance. Wells no closer than 961' to North Dakota state line and no closer than 1600' to Canadian line. (Orders 10-65, amended; 43-65, 23-66, 33-66).	Excess salt water disposed into Muddy, Dakota, or Lakota formations (Orders 39-64, 39-66, 125-A-81.) and into Ratcliffe formation (Order 122-A-81.) Unit operation for eastern part of field. (Order 7-71.) Unit operation for western part of field. (Order 32-74.)
		8		
Nisku (Dev.)		1		
FLAT LAKE, EAST				
Madison (Miss.)		0	Single 160-acre spacing unit. (Order 103-84).	None
FLAT LAKE, SOUTH				
Ratcliffe (Miss.)	(Shut-in)	6	160-acre spacing units established by (Order 2-67) then modified to provide that the permitted well may be located anywhere within the unit but no closer than 660' to any unit boundary. (Order 49-80).	Excess salt water disposed into Muddy, Dakota, or Lakota. (Order 19-67.)
		1		
FLAXVILLE				
Madison (Miss.)		3	160-acre spacing units; permitted well to be no closer than 660' from the exterior boundaries of the unit. (Order 105-82). Order 105-82 amended to provide 150' tolerance for topographic reasons. (Order 124-82).	None
FORT CONRAD				
Bow Island (U. Cret.)	Gas	16	640-acre spacing units; well location to be no closer than 990' from the section line. (Order 19-81). Field enlargement. (Order 118-82).	None
FORT GILBERT				
Red River (Ord.)		2	160-acre spacing units; well location no closer than 660' from unit boundary with 150' topographic tolerance. (Order 94-81).	Excess produced associated gas reinjected into Duperow formation. (Order 78-81.)
Mission Canyon (Miss.)		13		
(Shut-in)		1		
FOUR MILE CREEK				
Red River (Ord.)		1	320-acre spacing units. (Order 43-75); Field boundary reduction. (Order 10-83).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks		Secondary or Water Disposal
FOUR MILE CREEK, WEST				
Red River (Ord.)	2	Statewide.		None
FOX CREEK				
Siluro (Ord.)	2	Statewide.		None
FOX CREEK, NORTH				
Madison (Miss.)	1	160-acre spacing units for Madison formation; wells located no closer than 660' to the unit boundary with 150' topographic tolerance. (Order 13-84).		None
(Shut-in)	2			
FRANNIE (Mont. Portion)				
Tensleep (Penn.)	1	10-acre spacing units; well location in center of each unit with 100' topographic tolerance. (Order 35-63).		Unitized for waterflood of Phosphoria-Tensleep formations using produced fluids. (Order 21-70.)
(Shut-in)	1			
FRED & GEORGE CREEK				
Sunburst (L. Cret.)	Oil & Gas	41	Sunburst Oil: 40-acre spacing units; well location in center of unit with 250' topographic tolerance. (Orders 29-63, 1-65, amended by Order 48-77). Sunburst Gas: same as Arch Apex (Order 4-60).	Sunburst waterflood initiated July, 1970, using water from Madison, (Order 13-70) and Eagle.(Order 27-71.) (Order 40-80.)
(Shut-in)				
Swift (U. Jur.)	Oil & Gas	5	Statewide.	
Madison (Miss.)	(Shut-in)	1		
Bow Island (U. Cret.)		3		
FRESNO & AREA				
Eagle-Virgelle (U. Cret.) Gas		7	640-acre spacing units, wells located no closer than 990' from unit boundary. One well may be drilled within each spacing unit for each producing horizon within the spacing unit. (Order 14-76). Field enlargement and modification of field rules within certain areas. (Order 52-80).	None
(Shut-in)		2		
FROG COULEE				
Red River (Ord.)		1	320-acre spacing units; wells to be located no closer than 660' from the unit boundary. (Order 55-79).	None
FROID, SOUTH				
Red River (Ord.)		1	Statewide.	None
GAGE				
Amsden (Penn.)		3	40-acre spacing units; well location to be in center of each unit with a permitted tolerance of 150' for topographical or geological reasons. (Order 120-80). Field enlargement. (Order 44-81).	None
GALATA				
Bow Island (U. Cret.)	Gas	2	One well per governmental section located no closer than 990' to section lines. (Order 21-84).	None
GAS CITY				
Siluro (Ord.)		11	80-acre spacing units consisting of E 1/2 and W 1/2 of quarter sections; well location in NW 1/4 and SE 1/4 of quarter section; 150' topographic tolerance. Spacing waived and statewide rules for (Deviation), (Commingling) and (Dual Completion) are waived in unitized portion of field. (Order 29-62).	Excess produced water disposed into Judith River formation. (Orders 32-61, 20-64.) Waterflood using produced water and Madison water. (Order 16-69.) Produced water disposed into Charles "B" formation. (Order 90-A-79.)
(Shut-in)		2		
Madison	(Shut-in)	1		

Field, Formation, Age		No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
GILFORD, NORTH				
Sawtooth (Jur.)	Gas	1	320-acre specified spacing units. One well per unit 660' from boundary, 2640' between wells. (Order 9-58). Boundary reduction. (Order 38-76). Field enlargement. (Order 9-79).	None
GIRARD				
Red River (Ord.)	(Shut-in)	1	Statewide.	None
Bakken (Miss.)		1		
GLENDIVE				
Siluro (Ord.)	Oil & Gas	13	80-acre spacing units consisting of any two adjacent quarter-quarter sections; wells located in center of NE 1/4 and SW 1/4 of each quarter section with 75' topographic tolerance. (Orders 27-55, 19-62, 58-62, 20-66).	Excess produced water disposed into Swift, Dakota and Judith River formations. (Orders 16-56, 16-63, 40-A-70, 7-A-72., 8-A-82
Madison (Miss.) & Red River		3	80-acre spacing units as set forth by Order 95-84. Commingling of Red River and Madison formations. (Order 95-84).	
GLENDIVE, SOUTH				
Red River (Ord.)		1	Statewide.	None
GOLD BUTTE				
Bow Island (L. Cret.)	Gas	1	640-acre spacing, well location any quarter-quarter section cornering on center of section. (Order 26-59). Amended field boundary. (Order 43-77).	None
GOLDEN DOME				
Frontier (U. Cret.)	Gas	1	160-acre spacing; 660' from spacing unit boundary. (Order 15-72).	None
	Oil	1	Single spacing unit for Greybull formation. (Order 17-82).	
Greybull (L. Cret.)	Oil	2	enlargement and inclusion of Frontier and Greybull formations.	
	Gas	1	(Order 135-82).	
GOOSE LAKE				
Ratcliffe (Miss.)	Oil & Gas	33	Unitized. (Order 17-72). Reduced field area; (Order 29-77). Unit production curtailment. (Order 45-77).	Excess produced water disposed into Mission Canyon and Dakota formations. (Orders 12-64, 14-66, 12-68.) Produced water disposed into Ratcliffe formation (Order 138-A-80.) Produced water disposed into Dakota formation. (Order 117-A-81.)
	(Shut-in)	3		
Red River (Ord.)		1		
GOOSE LAKE, EAST				
Red River (Ord.)		0	320-acre spacing units. Well location no closer than 660' from unit boundary. (Order 20-81).	None
GOOSE LAKE, WEST				
Red River (Ord.)		3	Statewide.	None
GOSSETT				
Madison (Miss.)		2	Statewide.	None
Red River (Ord.)		1		
	(Shut-in)	1		
GRABEN COULEE				
Swift, Cut Bank, Madison		92	40-acre spacing units; well location no closer than 330' from legal subdivision. (Cut Bank and Madison) Oil: 330' from boundary of legal subdivision and 650' from any other well in same reservoir and on same lease. 75' topographic tolerance. (Order 73-62).	Excess produced water disposed into Cut Bank formation. (Order 45-A-75 and 63-A-84). Waterflood of Cut Bank sands. (Order 61-83).
	(Shut-in)	2		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
GRANDVIEW			
Bow Island - Sunburst (L. Cret.)		320-acre spacing units aligned in a north-south direction; well loca-	None
Gas	6	tion no closer than 660' to a spacing unit boundary. (Order 49-67).	
(2 zones)	1	Dual completion with Bow Island.	
GRANDVIEW, EAST			
Swift (Jur.)	4	Statewide.	None
(Shut-in)	1		
GREEN COULEE			
Red River (Ord.)	1	160-acre spacing units for Ratcliffe formation. Well location to be no closer than 660' to unit boundaries with 150' tolerance allowed for topographic or geologic reasons. 320-acre spacing units for the Red River formation with well location to be no closer than 660' to the unit boundary nor closer than 1650' from any well producing from the Red River. (Order 56-81).	None
GREEN COULEE, EAST			
Interlake	1	Single spacing unit. (Order 99-82).	None
GUMBO RIDGE			
Tyler (L.Penn.)	4	Statewide.	3rd Cat Creek water for waterflood (Order 54-79.)
GUNSIGHT			
Madison (Miss.)	4	Statewide.	None
(Shut-in)	1		
GYPSY BASIN			
Sawtooth, Sunburst, Swift, Madison	37	330' from lease lines and 660' between wells in same formation. On-	Injection of excessive gas produced
(Shut-in)	21	ly two wells per quarter-quarter section. (Order 7-66). Same as Sun-	with oil into Sunburst gas cap. (Order
		burst.	6-64.)
		(Sawtooth-Madison) Oil: 40-acre spacing units; wells no closer than 330' from lease line. (Order 7-66). (Sawtooth-Madison) Gas: 160-acre spacing units; well locations in center of any quarter-quarter section in each 160-acre unit, 2340' between gas wells. 150' topographic tolerance. (Order 13-59).	
HAMMOND (Gas)			
Muddy (L. Cret.)	10	320-acre spacing units; each unit shall consist of a regular half of a governmental section with well location to be no closer than 660' to a unit boundary nor closer than 990' to the exterior boundaries of the field. (Order 97-80).	None
HARDIN			
Frontier (U. Cret.)	Gas	33	Statewide.
	(Shut-in)	14	None
HARDPAN			
Bow Island (L. Cret.)	Gas	14	Spacing one well per section. Well location no closer than 990' from
	(Shut-in)	1	the section boundary. (Order 145-81). Field enlargement. (Order
Swift (Jur.)	(Shut-in)	1	131-82).
HARDSCRABBLE CREEK			
Red River (Ord.)	3	Statewide.	None
HAWK CREEK			
Amsden (Penn.)	1	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
HAWK HAVEN Mission Canyon (Miss.)	1	Single 320-acre spacing unit. (Order 91-81).	None
HAVRE Eagle (U. Cret.) (Shut-in)	4 1	Single spacing unit for production of gas. (Order 48-82).	None
HAY CREEK Mission Canyon (Miss.) Interlake (Sil.)	2 2	Statewide. 320-acre spacing, any two adjacent quarter sections, direction to be determined by operator. Location no closer than 660' from unit boundary. (Orders 15-69, 27-73). Gas to Brorson plant.	Water disposal into Red River. (Order 20-A-70). Produced water disposed into Dakota formation. (Order 90-A-80, 129-A-81).
HAYSTACK BUTTE Bow Island (L. Cret.) (Shut-in)	6 2	640-acre spacing units; one well per each producing horizon above Kootenai. Location no closer than 990' from spacing unit boundary. (Order 85-76). Amended field boundary. (Order 37-77).	None
HIAWATHA Tyler (L. Penn.)	4	Statewide.	None
HIBBARD Amsden (Penn.)	3	Statewide.	Produced water disposed into the Amsden formation (Order 9-A-82.)
HIGH FIVE Tyler (Penn.) (Shut-in) Stensvad	6 5 8	Statewide.	Water disposed into Dakota and Stensvad formations (Orders 33-A-77, 70-A-78.) Unitized & Polymer-Waterflood authorized. (Order 110-80.)
HIGHVIEW Madison (Miss.) Oil & Gas (Shut-in)	17 5	160-acre spacing units, located no closer than 660' from spacing unit boundary. 150' topographic tolerance. (Order 84-76). Orders 32-76, 84-76 and 63-82 are amended to provide as follows: 1. Permitted wells to the Moulton, Sunburst, Morrison and Swift formations shall be no closer than 330' from the lease line nor closer than 660' to a permitted well in the same formation with only two such wells per quarter quarter section with a 150' topographic tolerance. 2. Madison: (Gas) 160-acre spacing units with well location to be no closer than 660' from quarter section lines. 3. Madison; (Oil) 40-acre spacing units with permitted location to be no closer than 330' from the lease line with a 150' topographic tolerance. 4. Sawtooth (Oil and Gas), 40-acre spacing units with permitted location to be no closer than 330' from the lease line with a 150' topographic tolerance. (Order 136-82).	None
HONKER Red River (Ord.)	1	320-acre specified spacing units; permitted well not to be closer than 660' from the unit boundary. (Order 105-80).	None
HORSE CREEK Swift	1	Statewide.	None
HOWARD COULEE (Tyler (L. Penn.))	1	Statewide.	Produced water injected into the Piper formation. (Order 69-A-78.)

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks		Secondary or Water Disposal
INJUN CREEK Tyler	2	Statewide.		None
INTAKE II Red River (Ord.) Ratcliffe (Miss.)	3 1	320-acre spacing units; permitted well to be located no closer than 660' from the unit boundary. (Order 99-81).		Produced water disposed into Dakota formation. (Order 60-A-84).
IVANHOE Amsden (L. Penn.) Morrison (U. Jur.) Tyler (L. Penn.)	(Shut-in) 1 5 1 4	40-acre spacing unit for production from any one common formation; well location in center of unit with 200' topographic tolerance. (Order 7-60 and 13-56).		Waterflood of Tyler B and C sands discontinued. Water disposal into Tyler A. (Order 8-A-78, 10-A-84).
JIM COULEE Tyler (L. Penn.)	15	Unitized. (Order 18-72). No well closer than 330' from unit boundary.		Waterflood project approved in Tyler Sands (Order 18-72.)
JIM COULEE, NORTH Tyler (L. Penn.)	3	Statewide.		None
KATY LAKE Red River	1	Statewide.		None
KATY LAKE, NORTH Red River (Ord.) Madison	5 3	Statewide except for single 320-acre Red River spacing unit (Order 88-84) and single 160-acre Mission Canyon spacing unit (Order 89-84).		Produced water disposed into the Dakota formation (Order 15-A-82.)
KEG COULEE Tyler (Penn.) Stensvad	Oil & Gas (Shut-in) 4 9 2	40-acre spacing in southwest portion of field except that spacing is waived in unitized portion. (Orders 3-64, 4-64, 23-64). 80-acre spacing in remainder of field with variable pattern. (Orders 11-60, 28-62). 40-acre spacing; W 1/2 E 1/2 and W 1/2 Sec. 35-11N-30E; NW 1/4 Sec. 35-11N-30E; NW 1/4 Sec. 2-10N-30E. (Order 23-72). Topographic tolerance varies from 100' to 250'. (Orders 11-60-, 4-64, 23-64. Buffer zone waived. (Order 16-65). Field reduction. (Order 2-76) Orders 11-60, 4-64 and 2-76 amended by Order 58-76.		Three waterflood units. (Orders 3-64, 28-66, 10-69, 14-69.) Madison water injected.
KEG COULEE, NORTH Tyler (Penn.)	3	40-acre spacing units; well location in center of spacing unit with 150' topographic tolerance. (Order 46-64). Buffer zone waived. (Order 16-65). Field area amended. (Order 59-76).		None
KEITH AREA White Specks (U. Cret.) Bow Island Sawtooth	3 2 1	Statewide.		None
KEITH, EAST 2nd White Specks (U. Cret.) Gas Sawtooth (Jur.) Gas Bow Island Niobrara	10 1 7 1	Statewide, except unitized portions spaced by Order 22-62. Pooling. (Order 19-66).		None

Field, Formation, Age		No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
KELLEY				
Tyler (Penn.)		2	Statewide. 250' topographic tolerance. (Order 15-67).	Waterflood using Third Cat Creek water. (Orders 8-69, 51-76.)
	(Shut-in)	1		
KEVIN, EAST				
Nisku (Dev.)		1	80-acre spacing units consisting of E 1/2 or W 1/2 of governmental quarter section; wells located in center of SW 1/4 or NE 1/4 of each quarter section with 200' geologic or topographic tolerance. (Order 46-84).	None
KEVIN-SOUTHWEST				
Bow Island, Sunburst, Dakota (L. Cret.)	Gas	16	320-acre one-half section spacing units lying north-south or east-west at operator's option. Location to be no closer than 660' from unit boundary for Sunburst-Swift formations and all formations above the top of the Kootenai. (Orders 26-78, 47-78, 48-78). Field enlargement. (Orders 96-79, 47-80, 163-81).	None
	(Shut-in)	1		
KEVIN-SUNBURST				
Bow Island	Gas	17	Oil: 9 wells per 40-acre tract; only 3 wells on any side of tract with set back at least 220' from line.	There are three waterfloods in operation using Madison water. (Orders 9-64, 17-64, 30-64, 36-65). Sunburst water disposed into Madison (Order 50-76 and 11-A-84). H ₂ S, CO ₂ and produced water disposed into Madison. (Order 156-81). SWD approved EPA-84.
Burwash	Oil	9		
Cut Bank	Oil	9	Gas: Well to be no closer than 330' from the boundaries of any legal subdivision line, nor less than 2,400' from every other drilling or producible well on the same lease or unit. (Orders 8-54, 28-55).	
Dakota	Gas	1		
Eagle	Gas	1		
Ellis	Oil	80		
	Gas	2		
Madison	Oil	981		
	Gas	6		
Nisku	Oil	3		
	Gas	1		
Sunburst	Oil	39		
	Gas	46		
Swift	Oil	31		
	Gas	2		
	(Shut-in)	175		
KEVIN-SUNBURST, NISKU & AREA				
Swift	Gas	1	640-acre spacing units; location no closer than 990' from spacing unit boundary. (Order 83-76).	None
KICKING HORSE				
Bow Island (L. Cret.)	Gas	12	320-acre spacing with location permitted no closer than 660' from unit boundary and 990' from field boundary. (Order 17-74). Board Order 17-74 is amended to include certain additional lands into field and provide that 320-acre spacing units may be either the N/2 & S/2 or E/2 & W/2 of section. (Order 53-80).	None
Sunburst (L. Cret.)	Oil & Gas	3		
	(Shut-in)	2		
KINCHELOE RANCH, WEST				
Tyler (Penn.)		5	Statewide.	None
KINYON COULEE				
Bow Island (L. Cret.)	Gas	3	Statewide.	None
KINYON COULEE, SOUTH				
Bow Island (L. Cret.)	Gas	1	Only one well permitted. Well location no closer than 990' from section line. (Order 31-81).	None

Field, Formation, Age		No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
KIPPEN, EAST AND AREA				
Sawtooth, Swift, Madison	Gas (Shut-in)	1 1	Statewide.	None
KRUG CREEK				
Red River (Ord.)		0	320-acre spacing units consisting of 2 contiguous quarter sections designated by operator. Well location no closer than 660' from unit boundary or 1650' from existing well. Production may be commingled with board approval. (Order 27-81).	None
LAIRD CREEK				
Swift (U. Jur.)	Oil & Gas	9	Statewide.	Unitized and waterflood authorized in Swift for oil production. (Order 25-74) Commenced 2-25-77.
LAKE BASIN				
Telegraph Creek (U. Cret.)	Gas	4	160-acre spacing units to base of Virgelle; wells no closer than 660' from unit boundary and 990' from field boundary. Commingling permitted after administrative approval. (Order 9-74). Gas from Telegraph Creek pooled. (Order 29-75).	None
Eagle-Virgelle (U. Cret.)	Gas	18		
LAKE BASIN, NORTH				
Eagle, Frontier (U. Cret.)	Gas	2	640-acre spacing units consisting of one section. Locations 990' from section line. (Order 3-74). 160-acre spacing units located no closer than 660' from quarter section lines within restricted Sections. (Order 63-76).	None
	(Shut-in)	1		
LAMBERT				
Red River (Ord.)		4	320-acre spacing units consisting of the E 1/2 and W 1/2 of section. (Order 3-83).	None
LAMBERT, NORTH				
Red River (Ord.)		1	Statewide.	None
LAME STEER CREEK				
Red River (Ord.)		1	Single spacing unit. (Order 101-84).	None
LANDSLIDE BUTTE				
Madison (Miss.)	Oil	16	Statewide.	Reinject gas into Madison formation. (Order 84-84).
	(Shut-in)	3		
Sun River		1		
LAREDO				
Eagle (U. Cret.)	(Shut-in)	14	320-acre spacing with unit consisting of one-half section lying north-south or east-west at operator's option after administrative approval. Well no closer than 990' from unit boundary. (Order 8-74).	None
LARIAT				
Red River (Ord.)		0	Single well spacing unit for Red River. (Order 57-81).	None
LAUREL				
Dakota (L. Cret.)	(Shut-in)	20	10-acre spacing unit. Well location to be in center of spacing unit with 75' topographic tolerance. (Order 15-62).	Gas from Muddy formation injected into the Dakota approved. (Order 85-79.)

Field, Formation, Age		No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
LEARY				
Muddy (L. Cret.)	Oil	3	40-acre spacing units; wells located no closer than 330' to spacing unit boundary with 75' topographic tolerance. (Order 115-84 which amended original 80-acre spacing established by Orders 12-69, 19-70 and 68-76).	None
LEDGER				
Bow Island (L. Cret.)	Gas	46	640-acre spacing: one well per section per sand to be located no closer than 990' from section line. Permissible to commingle two or more sands, subject to administrative approval by the Petroleum Engineer. (Order 53-77).	None
Sawtooth	Oil	1		
LEROY				
Judith River - Eagle	(Shut-in)	29	320-acre spacing with unit consisting of one-half section lying north-south or east-west at operator's option after administrative approval. Well no closer than 660' from unit boundary and 990' from field boundary. (Order 19-75). Board Order 19-75 amended that a tolerance of 330' for permitted well be allowed for topographic reasons. (Order 72-80).	None
		8		
LISCOM CREEK				
Shannon (U. Cret.)	Gas	9	Spacing, one well per 640 acres, with location no closer than 990' from section boundary. (Order 20-72).	None
	(Shut-in)	1		
LITTLE BEAVER (Mont. Portion)				
Siluro (Ord.)		31	Spacing waived and General Rules for (Deviation), (Commingleing), and (Dual Completion) are suspended until present Unit Agreement becomes inoperative. (Order 41-62).	Waterflood of the Red River was commenced in August, 1967. (Order 3-66.) Minnelusa water.
LITTLE BEAVER, EAST				
(Mont. Portion)				
Red River (Ord.)	(Shut-in)	9	Same as for Little Beaver. (Order 42-62).	Waterflood of the Red River was commenced in April, 1965. (Order 33-64.)
		1		
LITTLE CREEK				
Eagle-Virgelle (U. Cret.)	Gas	1	Statewide.	None
	(Shut-in)	1		
LITTLE PHANTOM				
Sunburst	Oil	1	10-acre spacing units; well location to be located anywhere within the spacing unit but no closer than 220' from the exterior boundary lines of the field nor closer than 440' to any well capable of or producing from the Sunburst Sands. (Order 46-81).	None
LITTLE ROCK				
Blackleaf (L. Cret.)	Gas	10	320-acre north half and south half spacing units. Well location no closer than 990' from west line of Section 14 and 660' from the remaining unit boundary lines. (Order 40-78). Field enlargement. (Orders 94-79 and 34-80).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
LITTLE WALL CREEK Tyler, Stensvad	19	Statewide.	Produced water injected into Tyler formation (Orders 54-A-77, 63-A-78, 1-A-81.) South Little Wall Creek Unit waterflood. (Order 85-83). Little Wall Creek, Tyler Sand Unit. (Order 40-84). Enhanced recovery approved EPA-84.
LODGE GRASS Tensleep (Penn.)	Oil 1	Statewide.	None
LOHMAN Eagle (U. Cret.)	6 (Shut-in) 2	640-acre spacing; one well per section to be located no closer than 990' from section line. (Order 23-78).	None
LONE BUTTE Red River (Ord.)	2	320-acre spacing units with well location at least 660' from unit boundary. Not delineated.	None
LONE RIDER Ratcliffe (Miss.)	1	Single spacing unit. (Order 120-82)	None
LONETREE CREEK Red River (Ord.)	9	320-acre spacing, wells 660' from spacing boundary, 2000' between wells. (Order 29-72). Field reduction. (Order 162-81).	None
LONETREE CREEK, WEST Red River (Ord.)	2	Spacing units shall be south half and north half of Section 12, T24N, R56E. No well closer than 660' from boundary or 1320' from existing well. (Order 73-82).	None
LONG CREEK Madison (Miss.) Charles	1	Statewide.	None
LONG CREEK, WEST Nisku (Dev.)	2	80-acre spacing units comprised of two contiguous quarter quarter sections which may lie in either one or two governmental sections aligned either north-south or east-west with location to be no closer than 330' from unit boundary nor less than 1,000' from any other producing well. (Order 27-77). Field enlarged. (Order 71-83).	None
LOOKOUT BUTTE (Includes Coral Creek Unit) Interlake, Red River (Sil-Ord)	30 (Shut-in) 7	160-acre spacing; well location in center of SE 1/4 of each quarter section with 150 topographic tolerance. (Order 21-62). Coral Creek Unit not subject to spacing rules. Redelineated per Order 7-63.	Water disposal into Madison. (Order 68-62.) Waterflood of Silurian-Ordovician approved in 1966. (Order 35-66.) Water from Minnelusa.
LORING UNIT Bowdoin, Greenhorn, Phillips	Gas (Shut-in) 108 1	Federal Unit.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
LORING EAST			
Bowdoin, Greenhorn, Phillips (L. Colo.)	75	160-acre spacing units; where discrete gas formations (Bowdoin, Greenhorn and Phillips) exist, a well may be drilled to each discrete formation and may be located no closer than 660' from the unit boundaries. (Order 60-82).	None
(Shut-in)	1		
LOWELL			
Red River (Ord.)	3	320-acre spacing units consisting of two contiguous governmental quarter sections which may lie in either one or two governmental sections. Wells to be located no closer than 660' from unit boundary or closer than 1650' to well producing from the same horizon. (Order 104-79).	None
(Shut-in)	1		
LUSTRE			
Madison (Miss.)	52	80-acre spacing units consisting of 1/2 of a regular governmental quarter section. Either E 1/2 and W 1/2 or N 1/2 and S 1/2. Well to be located in either NE 1/4 or SW 1/4 with 200' tolerance. (Order 19-83). Field enlargement. (Order 43-84).	Produced water disposed into Dakota-Swift formation. (Order 39-A-83 and 58-A-84).
LUSTRE, NORTH			
Madison (Miss.)	1	80-acre spacing units consisting of E 1/2 or W 1/2 of a governmental quarter section; wells located no closer than 660' to spacing unit boundary with 200' topographic or geologic tolerance. (Order 39-84).	None
MACKAY DOME			
Greybull (L. Cret.) Oil	4	Statewide.	None
MALCOM CREEK			
Mission Canyon (Miss.)	1	Statewide.	None
MARIAS RIVER			
Bow Island (L. Cret.)	11	One well per section per horizon above the top of the Kootenai. Location to be no closer than 990' from section line. (Order 18-78).	None
(Shut-in)	7	Field enlargement. (Order 12-83).	
MASON LAKE & AREA			
Cat Creek	13	80-acre spacing units consisting of one half of a quarter section lying in either east-west or north-south direction; well location in center of the NE and SW quarter-quarter sections of each quarter section with 75' topographic tolerance. (Order 35-78). Amending Order 35-78 for certain lots designated as spacing units. (Order 66-78). Field enlargement. (Order 16-79).	Produced water disposed into Muddy formation. (Order 3-A-80) and into Mowry formation. (Order 29-A-84).
(Shut-in)	2		
Amsden (Penn.)	4		
MASON LAKE, NORTH			
Amsden (Penn.)	1	Statewide.	None
McCABE			
Ratcliffe (Miss.)	3	160-acre spacing units; permitted well to be no closer than 660' from spacing unit boundary. (Order 100-80). 150' tolerance allowed for topographic reasons. (Order 3-81). Board Order No. 100-80 amended to eliminate the requirement of 1650' between wells producing from the Madison Group. (Order 37-81.)	None
McCABE, EAST			
Winnipegosis	1	Statewide	None

Field, Formation, Age		No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
McCABE, SOUTH				
Red River (Ord.), Nisku (Dev.)		0	Single spacing unit for the Nisku and Red River formations. (Order 81-82).	None
McCABE, WEST				
Red River (Ord.)		0	Single spacing unit. (Order 49-84).	None
MEANDER				
Sunburst (L. Cret.)	Oil	2	40-acre spacing units; well location to be no closer than 330' to the unit boundaries. (Order 30-82).	None
MEDICINE LAKE				
Siluro (Ord.)		9	320-acre spacing units comprised of any two contiguous govern-	Produced water disposed into Mud- dy, Kibby & Dakota formations (Orders 133-A-81., 111-A-82.)
Winnipegosis (Dev.)		1	mental quarter sections in either one or two governmental sections.	
Mission Canyon (Miss.)		1	Well to be located no closer than 660' from unit boundary nor closer than 1650' to any well producing from the same formation. (Order 50-79).	
MELSTONE				
Tyler (Penn.)		13	Statewide.	None
	(Shut-in)	2		
MELSTONE NORTH				
Tyler (Penn.)		0	Statewide. Well location no closer than 330' from exterior bound- aries of unit. (Order 7-83).	Unitized and waterflood pressure maintenance program for Tyler forma- tion. (Order 125-82). Converted to polymer tertiary recovery unit. (Order 37-84).
MIDBY				
Red River (Ord.)		1	160-acre spacing units; well location to be no closer than 660' from unit boundary and spacing units designated by Order 24-81.	None
MIDDLE BUTTE				
Bow Island (Cret.)	Gas	4	Orders 3-60, 21-75 amended to delineate field extension and	None
	(Shut-in)	1	320-acre spacing units consisting of the E 1/2 and W 1/2 of each section; well location no closer than 990' from the section line and 660' from the interior boundary. (Order 47-77).	
MINERAL BENCH				
Charles (Miss.)		1	Statewide.	Water disposal into Dakota-Lakota per (Order 18-65.) Produced water in- jected into Judith River (Order 110-A-82.)
MINERS COULEE				
Sunburst (L. Cret.)	Oil	4	Oil; 40-acre units consisting of quarter-quarter sections; well loca-	None
Bow Island	Oil	1	tion no closer than 330' from lease or property line and 660' from	
Sunburst-Swift	Gas	2	any other well. (Order 9-66). Order 9-66 amended to comply with	
Sawtooth (M. Jur.)	Gas	1	Order 5-74).	
Bow Island (L. Cret.)	Gas	13	Gas: 160-acre spacing with wells 990' from unit boundary. (Order	
Madison (Miss.)	Gas	1	5-74). Sawtooth gas spacing unit. (Order 43-76). Field redelineation.	
	(Shut-in)	6	(Order 44-77. Field enlargement. (Order 4-80).	
MISSOURI BREAKS				
Red River (Ord.)		1	320-acre spacing units as specified by Order 97-82.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
MONA			
Red River (Ord.)	2	Statewide.	None
(Shut-in)	1		
MONARCH			
Madison (Miss.)	2	80-acre spacing units consisting of east and west half of quarter section. Well location in SW 1/4 and NE 1/4 of quarter section. Location within 660' square at center of quarter section. (Order 18-61).	Produced water is disposed into the salt water disposal system for the Pennel Field. Waterflood initiated 12-1-73. (Order 23-73.)
Interlake, Red River (Sil.-Ord.)	16	160-acre spacing units consisting of a quarter section; well location in center of SW 1/4 of each quarter section with 175' topographic tolerance. (Orders 12-59, 4-63).	Produced water disposed into the Silurian and Charles formations. (Orders 52-A-83 & 55-A-83).
(Shut-in)	5		
MONDAK WEST			
Madison (Miss.)	30	320-acre spacing units for Silurian and Ordovician pools. Units to consist of either N 1/2 and S 1/2, or E 1/2 and W 1/2. Well location to be no closer than 660' to unit boundary or closer than 1650' to any well drilling or producing from same pool. (Order 42-77).	Produced water injected into Dakota-Lakota. (Order 49-A-78.), and (111-A-80.)
Siluro-Ord	4		
Stoney Mtn. (Ord.)	2		
Red River (Ord.)	1		
(Shut-in)	1	320-acre spacing units for Madison and Devonian formations. Units to consist of either N 1/2 and S 1/2, or E 1/2 and W 1/2. Well location to be no closer than 660' from a quarter section line or section line and no closer than 1,650' to any well drilling or producing from same pool. (Orders 23-77, 33-78, 51-79). Order 51-79 amended to enlarge Madison formation delineation. (Order 95-83).	
MOSBY			
(See Cat Creek)			
MOSSER DOME			
Kootenai	20	Spacing waived. Future development requires administrative approval of the Board. (Order 27-62).	None
MT. LILLY			
Madison (Miss.) Gas	2	640-acre spacing, well location in approximate center of any of the four quarter-quarter sections adjoining center of section; 250' topographic tolerance. (Order 37-63)	None
Swift	1		
Bow Island	1		
MUD CREEK			
	0	640-acre spacing unit. Well location anywhere in 160-acre tract in center of each 640-acre well spacing unit. (Order 9-63).	None
MUSSELSHELL			
Tyler (L. Penn.)	1	Statewide.	None
MUSTANG			
Red River (Ord.)	3	Statewide.	None
NEISSER CREEK			
Red River	1	Single spacing unit. (Order 78-82)	None
NOHLY			
Nisku (Dev.)	3	Single spacing unit. (Order 77-84). Field enlarged for 320-acre Red River spacing units (Order 54-84) and 160-acre Nisku spacing units (Order 55-84).	None
Red River (Ord.)	3		
Ratcliffe	1		
NOHLY, SOUTH			
Red River (Ord.)	2	Single spacing unit. (Order 35-83).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
NORTH FORK			
Red River (Ord.)	1	Statewide.	None
Madison	5		
O'BRIENS COULEE			
Bow Island (L. Cret.)	Gas	14	Statewide.
(Shut-in)	2		None
OLLIE			
Red River (Ord.)	1	320-acre specified spacing units for the Red River and Duperow for-	Produced water disposed into the
Duperow (Dev.)	1	mations. The permitted well for each spacing unit to be located no	Dakota formation (Order 11-A-82.)
		closer than 660' from the spacing unit boundary. Order 73-80.	
OTIS CREEK			
Red River (Ord.)	2	Statewide.	None
OTIS CREEK, SOUTH			
Red River (Ord.)	3	320-acre spacing units; well to be located no closer than 660' to unit	None
		boundary. (Order 39-72). Extended field boundary. (Orders 56-76,	
		67-76). Orders 39-72 and 56-76 amended to eliminate spacing	
		units. New spacing units are quarter sections. Well location no	
		closer than 660' from unit boundary or 1650' from producing well	
		with 150' tolerance. Operator may designate contiguous quarter	
		sections as spacing units. (Order 73-81).	
OTTER CREEK			
Red River (Ord.)	1	Single spacing unit. (Order 51-83).	None
OUTLOOK			
Duperow (Dev.)	1	Statewide.	Produced water is disposed into
Winnipegosis (Dev.)	2	Statewide.	Dakota and Siluro-Devonian for-
(Shut-in)	2		mations (Orders 16-59, 17-65, 36-66,
Siluro-Ord	2	160-acre spacing units; well location in center of either SW 1/4 or	9-A-77) into Madison formation (Order
Nisku (Dev.)	1	NE 1/4 of each quarter section; 175' topographic tolerance. (Order	59-A-78) and into Dakota and Muddy
		19-59A).	formations (Order 61-A-84).
OUTLOOK, SOUTH			
Winnipegosis (Dev.)	1	160-acre spacing; permitted wells in either SW 1/4 or NE 1/4 of	Produced water disposed into Muddy
		quarter section; 175' topographic tolerance. (Orders 19-59A) com-	and Dakota formations. (Order
		mingling permitted. Order 45-64.	17-65.)
OUTLOOK WEST			
Winnipegosis (Dev.)	2	160-acre spacing units consisting of quarter sections; permitted	Produced water disposed into
		wells in either SW 1/4 or NE 1/4 with a tolerance of 175'. (Order	Dakota formations. (Order 42-66.)
		7-67).	
OWBOW			
Red River (Ord.)	1	320-acre spacing consisting of two contiguous governmental	None
		quarter sections which may be in one or two governmental sections	
		lying east-west or north-south at operator's option. Location to be	
		no closer than 660' to the unit boundary or closer than 1650' to a	
		well producing from same pool. (Order 7-78). Field enlargement.	
		(Order 137-80).	

Field, Formation, Age		No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
OXBOW II				
Red River (Ord.)		1	320-acre spacing units consisting of two contiguous quarter sections which may cross section lines; wells located no closer than 660' to spacing unit boundaries. (Order 50-84).	None
PALOMINO				
Nisku (Dev.)		3	Statewide.	Produced water disposed into the Dakota formation (Order 6-A-82, 58-A-82.)
PELICAN				
Red River (Ord.)		1	320-acre spacing units; wells to be located no closer than 660' to any governmental section or quarter section line boundary. (Order 21-79).	None
PENNEL				
Siluro-Ordovician	Oil & Gas (Shut-in)	160 10	80-acre spacing units consisting of east and west half of quarter section; wells located in center of SE 1/4 and NW 1/4 of quarter sections with 150' topographic tolerance. (Order 15-61). 80-acre spacing units on west side and 160-acre spacing units on east side of pool. Wells to be located in SE 1/4 and NW 1/4 of each quarter section (80 acres) and in SE 1/4 of each quarter section on 160-acre spacing. (Orders 1-56, 8-56, 15-61, 20-62, 4-63, 7-63). Commingling approved. (Order 59-62).	Produced water is being injected into Dakota, Siluro-Ordovician and Madison formations. (Orders 16-60, 46-62, 68-62, 36-63, 13-64.) Waterflood for Siluro-Ordovician approved Nov. 1968. (Order 24-68.)
PETE CREEK				
Sunburst (L. Cret.) Oil		1	Statewide.	None
PHANTOM				
Sunburst (Cret.)	Gas	3	Gas: wells permitted anywhere within the unit but no closer than 990' to the unit boundary.	None
Sunburst (L. Cret.)	Oil	3	Oil: projected depths greater than 6000' to be located no closer than 660' to the unit boundary. Project depths less than 6000' to be located no closer than 330' to the unit boundary. (Order 48-77).	
PHANTOM, WEST				
Sunburst (L. Cret.)	Gas	2	One well per spacing unit to be located no closer than 660' to the exterior boundaries of three certain spacing units. (Order 65-78).	None
PINE				
Mission Canyon (Miss.)	Oil & Gas	1	Statewide spacing rules are waived within the Pine Unit. 80-acre spacing units outside of unit area; well location in NW 1/4 and SE 1/4 of quarter section; 150' topographic tolerance. (Order 37-62).	A waterflood program for the south area was started in 1959. A waterflood of the north area was approved in 1967. (Orders 13-68, 1-60, 8-62, 32-67). Produced water injected into Mission Canyon. (Order 10-A-74). Brine and CO ₂ injection test. (Order 70-83).
Siluro-Ordovician	Oil & Gas (Shut-in)	100 25	Gas through extraction plant.	
PLENTYWOOD				
Red River (Ord.)		2	Statewide.	None
PLEVNA				
Judith River (U. Cret.)	(Shut-in)	23	1200' from quarter section line; 2400' from other wells in same lease or unit; 75' topographic tolerance. (Orders 34-54, 4-57 and Order 34-54 Corrected).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
POLICE COULEE			
Bow Island (L. Cret.)	8	320-acre spacing units; location no closer than 990' from section line and 660' from half section lines. Spacing units to consist of north half or south half, east half or west half at discretion of operator. (Order 53-76). Extended Field boundaries. (Order 24-77). Field enlargements. (Orders 20-79 and 46-79).	None
(Shut-in)	1		
PONDERA			
Madison (Miss.)	246	Oil: 220' from legal subdivision, 430' from other wells in same reservoir on same lease; 75' topographic tolerance. Porter Bench Extension: 330' from legal subdivision line; 650' from other wells in same reservoir on same lease or unit; 75' topographic tolerance. (Order 9-54). Gas: well to be located no closer than 1,320' from the boundaries of any quarter section line, nor less than 3,700' from every other drilling or producible well on the same lease or unit. (Order 9-54 corrected). Amend Order 9-54 to designate 160-acre spacing units for gas with wells to be located no closer than 660' from unit boundaries. (Order 26-83).	Produced water injected into lower Madison. (Orders 11-56, 15-56, 4-65, 4-66, 20-A-71, 57-A-78, 58-A-78, 62-A-78, 71-A-78, 29-A-79, 62-A-79, 63-A-79, 64-A-79, 65-A-79, 14-A-80, 15-A-80, 16-A-80, 17-A-80, 127-A-81, 108-A-82, 7-A-82, 1-A-83, 30-A-84).
(Shut-in)	11		
Sun River (Miss.)	116		
(Shut-in)	3		
PONDERA COULEE			
Sun River (Miss.)	2	330' from legal subdivision lines or upon a 10-acre spacing pattern; 75' topographic tolerance. (Order 5-62).	None
(Shut-in)	3		
Madison	3		
POPLAR, EAST			
Madison (Miss.)	50	Statewide spacing; field delineated by Order 7-55. Redelineation of field. (Order 25-76).	Unitized in 1955. (Order 7-55.) Excess produced water has been injected into the Dakota, Judith River, and Mission Canyon formations. (Orders No. 1-55, 5-57, 7-57, 14-61, 21-61, 34-61, 10-62, 51-67, 10-A-73, 127-A-80, and 121-A-81.)
(Charles & Mission Canyon)	7		
(Shut-in)	7		
Heath (Tyler) (Penn.)	1		
POPLAR NORTHWEST & AREA			
Charles	38	80-acre spacing units consisting of east half and west half of each quarter section; permitted wells to be located in the center of NW 1/4 or SE 1/4 of each quarter section with 75' tolerance allowed in any direction for surface hazards and obstructions. (Order 18-55). 80-acre specifically designated spacing units with well location to be located in the center of the NW 1/4 or SE 1/4 of each quarter section with a tolerance of 150' in any direction for topographic or geologic reasons. (Order 26-76) 80-acre spacing units to be north half and south half or east half and west half of each quarter section; permitted well to be located in center of each NE 1/4 or SW 1/4 of each quarter section with 150' tolerance for topographic or geologic reasons. (Order 124-80 and Order 97-84). 80-acre spacing units for test wells to the Charles fomation; spacing units to be north half and south half or east half and west half of each quarter section with location to be in center of each NE ¼ or SW ¼ of each quarter section with 150' tolerance for archeological reasons only. (Order 161-81). Field enlargement with 80-acre spacing units consisting of N ½ and S ½ of each quarter section with wells to be located in center of the NE or SW quarter of each quarter section with 150' topographic or geologic tolerance. (Order 42-83).	Produced water disposed into Dakota. (Order 61-A-78, 128-A-82, 62-A-83). Produced water disposed into the Judith River formation. (Orders 13-A-82 and 14-A-82).
(Shut-in)	2		
POPLAR SOUTHEAST			
Charles (Miss.)	1	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
PRAIRIE DELL Bow Island (L. Cret.) Sunburst (L. Cret.) Swift (U. Jur.) (Shut-in)	49 1	320-acre spacing units with well location no closer than 660' to spacing unit boundary. (Order 10-76). Redelineation and amendment to Order 10-76. Field enlargement by Orders 28-78, 24-79, 132-80, 40-81, 54-81, 142-81 and 56-83.	None
PRAIRIE DELL, WEST Swift (U. Cret.) Gas	0	640-acre spacing unit; well to be no closer than 990' to the spacing unit boundary. (Order 16-78). Amending Order 16-78 to include all horizons above the Rierdon formation. (Order 54-78). Field enlargement. (Order 55-78).	None
PRAIRIE ELK Charles "C" (Miss.)	2	Statewide.	None
PRICHARD CREEK Sunburst (L. Cret.) Oil & Gas Swift (U. Jur.) Oil (Shut-in)	4 1 4	Well locations subject to administrative approval.	Unitized as to Sunburst for water injection. (Order 7-73.)
PRONGHORN Red River "B" and "C"	5	160-acre spacing units; wells located no closer than 660' from unit boundary with 150' topographic or geologic tolerance. (Orders 75-84 and 110-84).	None
PUMPKIN CREEK Shannon (U. Cret.) Gas (Shut-in)	2	Statewide. Delineated. (Order 10-71).	None
PUTNAM Red River (Ord.) Madison (Miss.) Bakken	12 3 1	Statewide, except for single spacing unit consisting of portions of Sections 15 and 16, T23N, R57E for production from all formations between 6,000 to 11,000 feet. (Order 2-84).	Order 22-A-72 amended to allow fluid from additional wells to be disposed into the Dakota formation. (Order 82-83).
RABBIT HILLS Sawtooth (Jur.)	2	160-acre spacing unit. Well location 660' from spacing unit boundary. (Orders 17-73, 34-74, 33-76). Redelineation. (Order 47-76). Field reduction. (Order 98-83).	Produced water disposed into Eagle formation. (Order 49-A-75.)
RABBIT HILLS, NORTHEAST Sawtooth	3	Statewide.	None
RABBIT HILLS, SOUTHWEST Sawtooth	1	Statewide.	None
RAGGED POINT Tyler (Penn.) (Shut-in)	5 10	40-acre spacing units; 75' topographic tolerance. (Order 8-59). Spacing waived for Tyler "A" sand reservoir within Tyler "A" Sand Unit except no well can be closer than 660' to unit boundary. (Order 35-65)	A waterflood project on the Tyler "A" sand was commenced in February, 1966, using Third Cat Creek water. (Order 35-65.)

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
RAGGED POINT, SOUTHWEST			
Tyler (Penn.)	11	Applicants may drill and produce wells to the Tyler "A" formation anywhere within the unit but not closer than 330' to the unit boundaries. (Order 83-82).	Tyler "A" waterflood unit agreement approval effective August 1, 1982 (Order 83-82.)
(Shut-in)	1		
RAINBOW			
Red River (Ord.)	1	Single spacing unit. (Order 69-82).	None
RAPELJE			
Clagett, Eagle, Judith River	15	160-acre spacing. Wells no closer than 990' to unit boundary. Commingling after administrative approval. (Order 29-73).	None
RATTLER BUTTE			
Tyler (Penn.)	5	Statewide.	None
(Shut-in)	1		
RATTLESNAKE BUTTE			
Cat Creek	2	Statewide	None
RATTLESNAKE COULEE			
Sunburst (L. Cret.)	2	Statewide.	None
Oil & Gas (Shut-in)	3		
RAYMOND			
Nisku (Dev.)	1	320-acre spacing units. Wells 660' from spacing unit boundary. (Order 38-72). Gas Storage. (Order 50-78). Field extension-new pool designation (Order 35-79). Order 50-78 amended by Order 60-79. Field enlargement. (Orders 31-80 and 128-80). Field reduction. (Order 135-81).	Produced water injected into Dakota formation. (Order 38-A-74.) Produced water injected into Mission Canyon (Order 105-A-79) and (113-A-80.) Produced water injected into Raymond formation. (Order 131-A-81.) Authorization to inject gas into the Nisku formation. (Order 135-81.)
Red River (Ord.)	2		
Winnipegosis (Dev.)	2		
Mississippian	2		
RAYMOND, NORTH			
Red River (Ord.)	0	Single spacing unit. (Order 94-82).	None
RAYMOND, NORTHEAST			
Nisku (Dev.)	1	160-acre spacing units. Wells 660' from spacing unit boundary. (Order 12-74).	None
REAGAN			
Madison (Miss.)	87	Statewide. (Order 17-54).	A pressure maintenance project utilizing gas injection was started in 1961. (Order 21-60.) Waterflood. (Order 27-72.)
Oil (Shut-in)	17		
Gas	2		
RED BANK			
Madison (Miss.)	14	Statewide.	Produced water disposed into the Dakota formation (Order 10-A-82)
Red River (Ord.)	3		
(Shut-in)	1		
RED BANK, SOUTH			
Red River (Ord.)	2	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
RED CREEK			
Cut Bank and Madison	14	40-acre spacing units; wells in center of spacing unit with 75' topographic or obstruction tolerance; spacing and field rules waived for unitized portion. (Orders 16-58, 73-62, 31-64, 5-70).	Excess produced water injected into Bow Island and Madison. (Orders 22-63, 37-64, 40-A-83, and 19-A-84). A waterflood project in the Cut Bank sand was initiated in June 1965, using Madison water.
(Shut-in)	4		
RED FOX			
Nisku (Dev.)	1	Field consists of one 160-acre spacing unit which straddles the section line. (Order. 20-67).	None
RED ROCK & AREA			
Eagle (U. Cret.)	3	Spacing units shall consist of the north half and south half of section with permitted well to be no closer than 990' from exterior section line nor closer than 660' to half section line. (Order 89-79).	None
Judith River	3		
RED WATER			
Duperow (Dev.) (Shut-in)	1	Statewide.	None
RED WATER, EAST			
Red River (Ord.)	1	320-acre spacing units consisting of 2 contiguous quarter sections with permitted well to be no closer than 660' to exterior boundaries of spacing unit. (Order 31-83).	None
REDSTONE			
Winnipegosis (Dev.)	1	One well per 160-acre unit, but no closer than 660' from unit boundary. (Order 30-67).	None
REFUGE			
Red River (Ord.)	1	Statewide.	None
REPEAT			
Red River (Ord.)	1	Statewide.	None
RESERVE			
Red River (Ord.)	4	160-acre spacing units; permitted well within 1320' square in center of quarter section. Commingling of Red River and Interlake production permitted on individual well basis. (Orders 34-66, 27-67).	Excess water injected into Dakota sand. (Order 23-A-67.)
Winnipegosis (Dev.)	1		
RICHEY & AREA			
Charles (Miss.)	2	Statewide. Original 80-acre spacing revoked. (Order 11-73).	None
RICHEY, EAST			
Charles (Miss.)	1	Statewide.	None
(Shut-in)	1		
RICHEY, SOUTHWEST			
Interlake	2	160-acre spacing units; wells no closer than 900' from boundary of spacing unit. (Order 25-62).	A waterflood project in the Interlake and Dawson Bay was started in 1965. (Order 34-65.)
(Shut-in)	4		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
RIDGELAWN			
Madison (Miss.)	30	Statewide.	None
(Shut-in)	1		
Red River (Ord.)	5		
RIPRAP COULEE			
Ratcliffe (Miss.)	5	160-acre spacing units; wells located no closer than 660' from spacing unit boundary with 150' topographic and geologic tolerance. (Order 93-84).	None
RIVERBEND			
Red River (Ord.)	1	Statewide.	None
ROCKY BOY AREA			
Eagle-Virgelle (U. Cret.)	7	Statewide.	None
ROCKY POINT			
Red River (Ord.)	2	320-acre spacing unit; well to be located no closer than 660' from exterior boundary. (Order 22-79).	None
ROSCOE DOME			
Lakota (L. Cret.)	1	Statewide.	Steam injection into Greybull and Lakota formations (Order 40-82.)
ROSEBUD			
Tyler (L. Penn.)	4	Statewide.	None
(Shut-in)	1		
ROYALS			
Dawson Bay (Dev.)	1	Statewide.	None
ROYALS, SOUTH			
Dawson Bay	1	Statewide.	None
(Shut-in)			
RUDYARD			
Sawtooth (M. Jur.) Gas	7	640-acre spacing units consisting of one section; well location in center of NW 1/4 of section with 75' topographic tolerance. (Order 2-58). Field boundaries reduced (Order 39-76).	None
RUNAWAY			
Madison (Miss.)	1	Statewide.	None
(Shut-in)			
RUSH MOUNTAIN			
Red River (Ord.)	2	Statewide. Dual zone completion in discovery well.	Excess water injected into Dakota sand. (Order 5-A-71.)
SAGE CREEK			
2nd White Specks	17	640-acre spacing, one producing well per section per formation	None
Gas		above the Kootenai to be located no closer than 990' from section	
(Shut-in)	1	line. (Order 38-77). Amended field boundary. (Order 86-79). Field	
Blackleaf (L. Cret.)	2	enlargement. (Order 33-81, 65-83 and 36-84).	
Gas			

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
SALT LAKE Nisku (Miss.-Dev.)	3	Statewide.	Produced water disposed into Nesson (Madison) formation. (Order 61-A-80.)
SAND CREEK Interlake, Red River (Sil.) (Ord.) (Shut-in)	4 1	80-acre spacing units consisting of any two adjacent quarter-quarter sections. Wells located in center of NW 1/4 and SE 1/4 of each quarter section. (Order 16-59). Commingling of production from Interlake and Red River authorized per (Order 49-62).	Excess produced water is injected into the Swift formation. (Order 9-61.)
SANDWICH Swift (U. Jur.) Gas	1	320-acre spacing unit. Well located no closer than 990' to spacing unit boundaries. (Order 17-77).	None
SAWTOOTH MOUNTAIN & AREA Judith River (U. Cret.) Eagle (U. Cret.) (Shut-in)	3 28 3	640-acre spacing units, one well per section per formation, location to be not less than 990' from governmental section line. (Order 45-76).	None
SECOND CREEK Red River (Ord.)	4	303.1-acre spacing unit; one well field. (Order 34-78).	Produced water injected into Dakota/Lakota formations (Order 127-A-82.)
SECOND CREEK-DUPEROW Duperow (Dev.) (Shut-in)	1	160-acre spacing units; well locations for each unit to be as specified by Order 119-80.	None
SHEEPHERDER Tyler (L. Penn.)	3	Statewide.	Waterflood of Tyler "A" authorized May 1984. (Order 33-84). Amended. (Order 107-84).
SHELBY, OLD Sunburst (L. Cret.) Gas (Shut-in) Swift Bow Island	8 4 2 2	320-acre spacing units to be comprised of either east half, west half, north half or south half of a section for Swift, Kootenai, Dakota, and Sunburst gas. Well location to be no closer than 660' to the unit boundary. Original spacing Order 85-81 plus field enlargement and amendment orders were superceded by Order 90-83. Field extensions. (Orders 15-84, 83-84, 98-84, 116-84).	None
SHERARD FIELD & AREA Eagle (U. Cret.) Gas (Shut-in)	13 14	640-acre spacing units; 990' from section line. (Order 1-74). 160-acre spacing units; (Eagle) 990' from section line, 660' from quarter section line. (Order 7-77); Enlarged field boundary with well locations no closer than 660' from quarter section line in enlarged area. (Order 4-83).	None
SHERARD UNIT Eagle (U. Cret.) Gas (Shut-in) Judith River (U. Cret.)	13 16 3	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
SHERARD WEST			
Eagle, Virgelle (U. Cret.) (Shut-in)	1	160-acre spacing units; location no closer than 660' to unit boundary. (Order 90-76).	None
SHOTGUN CREEK			
Red River	1	Statewide.	None
Ratcliffe	2		
SHOTGUN CREEK, NORTH			
Gunton (Ord.) and Red River (Ord.) (Shut-in)	1	320-acre spacing units consisting of two contiguous governmental quarter sections which may be in one or two sections with permitted well to be no closer than 660' to the unit exterior boundary and no closer than 1500' to any well producing from the same formation. If not feasible to produce two zones separately, commingling permissible with prior administrative approval. (Order 49-77).	None
SIDNEY			
Madison	25	160-acre spacing units for Madison Group. One well per spacing unit to be located no closer than 660' from unit boundary and no closer than 1650' to well producing from the same formation. (Order 5-79. Field enlargement. (Order 99-80).	Excess water injected into Dakota formation. (Order 41-A-78.)
Red River (Ord.)	2		
(Shut-in)	1		
SIDNEY, EAST			
Madison	9	Statewide.	None
SINGLETREE			
Winnipegosis (Dev.)	1	Single spacing unit. (Order 78-84).	Produced water disposed into Dakota formation. (Order 59-A-80.)
SIOUX PASS			
Red River (Ord.)	7	320-acre spacing units consisting of two adjacent governmental quarter sections lying north-south or east-west at operator's option. Permitted well no closer than 660' from unit boundary. (Interlake and Red River). 160-acre spacing unit (Mission Canyon) with well no closer than 660' from unit boundary. Commingling of Interlake and Red River production authorized. (Order 10-75). Amended field boundary. (Order 15-77). Field reduction. (Order 89-81).	Excess water injected into Dakota formation. (Order 15-A-75.)
Mission Canyon	1		
SIOUX PASS, EAST			
Red River (Ord.)	1	Statewide.	None
(Shut-in)	1		
SIOUX PASS, MIDDLE			
Red River (Ord.)	8	320-acre spacing units to consist of two contiguous governmental quarter sections at operator's option. Location to be no closer than 660' from exterior boundary of unit and no closer than 1650' from well producing from same formation. Commingling permissible with Administrative approval. (Order 55-76). An exception to Order 55-76 by (Order 39-81).	None
SIOUX PASS, NORTH			
Red River (Ord.)	15	320-acre spacing units with well locations at least 660' from unit boundary (Order 12-75). Commingling approved. (Order 17-76). Field amendments (Order 8-79 and 10-81). Field extensions. (Orders 12-77, 13-79 and 48-81).	Produced water injected in Dakota-Lakota formations. (Order 34-A-75.)
(Shut-in)	2		
Madison (Miss.)	3		

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks		Secondary or Water Disposal
SIOUX PASS, NORTH-DUPEROW				
Duperow (Shut-in)	2	Two 320-acre spacing units. (Orders 107-80,74-82).		None
SIOUX PASS, SOUTH				
Red River (Ord.)	2	Statewide.		None
SNOOSE COULEE				
Bow Island (L. Cret.) Gas	8	640-acre spacing units; location no closer than 990' from spacing unit boundary. Bow Island and shallower formations. (Order 18-77).		None
(Shut-in)	1			
SNOW COULEE				
Sunburst (L. Cret.) Gas	1	Spacing units. E 1/2 Section 33 and W 1/2 Section 34, T36N, R4E designated as spacing units. (Order 78-76).		None
(Shut-in)				
SNYDER				
Tensleep (Penn.)	3	10-acre spacing units with center 5-spot permitted; 150' topographic tolerance. (Order 45-62).		None
(Shut-in)	1			
SOAP CREEK				
Tensleep, Amsden, Madison (Penn.) (Penn.) (Miss.)	22	One well per 10-acre spacing unit per producing formation; well location in center of spacing unit with 100' topographic tolerance. (Order 26-60).		None
SOAP CREEK, EAST				
Tensleep (Penn.)	3	Statewide.		None
SOBERUP COULEE				
Bow Island (L. Cret.) Gas	1	Statewide.		None
SOUTH FORK				
Red River (Ord.)	3	Statewide.		None
Mission Canyon (Miss.)	1			
SPRING COULEE				
Sawtooth (Jur.) Gas	3	Statewide.		None
SPRING LAKE				
Red River (Ord.)	2	One well per 160-acre spacing unit. Well location anywhere within 840' square in center of spacing unit. (Order 6-63). Field redelineation. (Orders 30-76, 49-76).		None
Bakken	1			
SPRING LAKE, SOUTH				
Red River (Ord.)	1	Single spacing unit. (Order 81-81).		None
SPRING LAKE, WEST				
Duperow (Dev.) (Shut-in)	1	Single spacing unit. (Order 42-82).		None
STAMPEDE				
Red River (Ord.)	2	320-acre specified spacing units for the Red River formation. 160-acre spacing units for the Duperow formation with well location to be no closer than 660' from a spacing unit boundary line. (Order 19-82).		None
STAMPEDE, NORTH				
Nisku (Dev.) Oil (Shut-in)	1	160-acre single spacing unit for Nisku formation. (Order 29-82).		None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks		Secondary or Water Disposal
STENSVAD				
Tyler (Penn.)	4	40-acre spacing units; well location in center of spacing unit with 200' tolerance. (Orders 2-59), 7-60). Wells may be drilled anywhere within waterflood unit boundary, no closer than 660' from unit boundary. (Order 5-65, amended.)		None
(Shut-in)	11			
STRATER				
Phillips (U. Cret.) Gas	0	160-acre spacing units; well location to be no closer than 660' from quarter section line. (Order 103-81).		None
STRAWBERRY CREEK AREA				
Bow Island Gas	1	Statewide.		None
STUDHORSE				
Tyler	1	Statewide.		None
Stensvad	3			
SUMATRA				
Tyler (Penn.)	Oil & Gas	90	40-acre spacing units; well located in center of unit with 75' tolerance. (Order 14-58). Field redelineated. (Order 14-75). Vacuum pumps permitted on certain wells. (Orders 99-79 and 32-80).	Seven waterflood units using Madison water. (Orders 48-67, 6-69, 19-69, 23-69, 5-75, 21-78, and 43-80.) Produced water disposed into Madison formation. (Order 7-A-76.) Convert CSTSU and SESTSU to tertiary recovery projects. (Orders 99-84 and 100-84).
Amsden	(Shut-in)	3		
		53		
Heath		1		
SUNNYHILL				
Red River (Ord.) Oil	2	320-acre spacing units; location to be no closer than 660' to the section or quarter section line which is the exterior boundary of the unit nor closer than 1650' to any well producing from same formation. (Order 39-78). Field boundaries reduced. (Order 79-84).		Produced water disposed into Dakota formation. (Order 27-A-80.)
Madison (Miss.)	1			
SUNNYHILL, WEST				
Red River (Ord.)	1	Statewide.		None
SWANSON CREEK				
Phillips (U. Cret.)	Gas	54	320-acre spacing units; (Order 36-75) amended to enlarge field and provide that spacing units may run north-south or east-west with permitted wells to be no closer than 990' to section or quarter section lines. (Order 11-78). Field boundaries extended by Orders 32-78, 92-79, 66-80 and 55-81. All previous Swanson Creek orders are amended to allow one additional well in each existing 320-acre spacing unit that shall be drilled in a manner that there be no more than one well per quarter section and located no closer than 660' to the quarter section boundaries. (Order 28-82).	None
Bowdoin, Greenhorn,				
Phillips	Gas	6		
SWEETGRASS				
Sunburst (L. Cret.)	2	Single spacing unit. (Order 121-82).		None

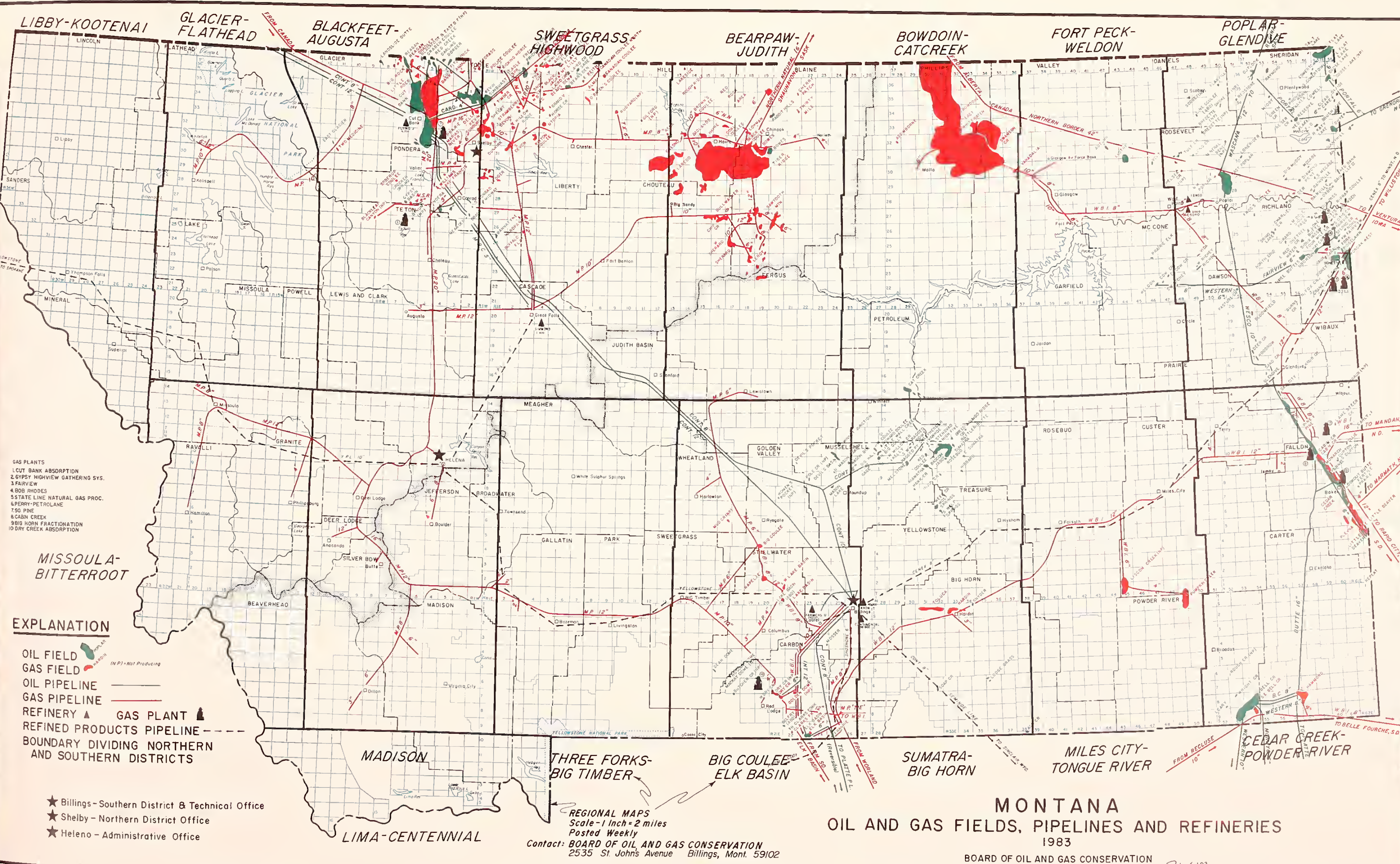
Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks		Secondary or Water Disposal
TARGET				
Charles/Ratcliffe Madison (Miss.)	11	Single spacing unit for Mission Canyon/Ratcliffe formations. (Order 18-82). Amendment to Order 18-82 for field enlargement and establishing 160-acre spacing units with permitted well locations to be no closer than 660' from the unit boundaries. 150' tolerance for topographic reasons. (Order 35-82). Field enlargement. (Order 23-84).		None
(Shut-in)	2			
THIRTY MILE				
Eagle (U. Cret.)	(Shut-in)	3	Statewide.	None
THREE BUTTES				
Gunton & Red River		3	160-acre spacing units, well location no closer than 660' from governmental quarter section line or unit boundary. (Order 11-81).	None
THREE MILE				
Eagle (U. Cret.)		6	Statewide.	None
TIBER & AREA				
Bow Island (L. Cret.)	Gas	6	Spacing allows one well for each gas producing horizon to be located anywhere within the section but no closer than 990' to the section line. (Order 143-81). Enlarged. (Order 21-84).	None
TIBER, EAST				
Bow Island (L. Cret.)	Gas	5	One well per governmental section located no closer than 990' to section lines. (Order 21-84).	None
TIGER RIDGE				
Eagle (U. Cret.)	Gas	221	Field delineated; (Orders 17-67, 23-68). Redelineated and established Statewide spacing. (Order 10-70). Statewide for field area not unitized. Two units: wells to be located no closer than 990' from unit boundary. (Orders 11-72, 41-72). 160-acre spacing units; Sections 20, 21, 22, 27, 28, 33, 34, T32N, R16E, (Judith River) locations to be no closer than 660' from unit boundary. (Order 32-73). Enlarge and redelineate field. (Order 13-75). 160-acre spacing units in Sections 22, 23, 24, T32N, R14E (Eagle & Virgelle) wells to be located no closer than 990' from section line and 660' from quarter section line. (Order 37-75). 160-acre spacing units; NW 1/4 & NE 1/4 Section 30, T31N, R17E, well to be located at least 990' from quarter section line. 75' tolerance allowed for topographic reasons. (Order 51-77). 160-acre spacing units; Sections 32, 33, T31N, R17E, Section 4, T30N, R17E, and Section 19, T32N, R15E, (Eagle) to be located no closer than 990' to a section line and 660' to a quarter section line. (Order 52-77, Order 14-84). Field enlargement. (Order 46-78). Field enlargement. (Order 48-79). Amendment to Orders 17-67, 23-68 and 10-70 to establish 320-acre spacing units in certain areas. (Order 79-79). Field enlargement and amending field rules to certain portions thereof. (Order 26-80). well in certain sections. (Orders 50-80 and 51-80). Amendment to Order 13-75 that allows one well per 160-acre spacing unit for Eagle formation with location to be no closer than 990' to boundaries of quarter section underlying Section 35, T32N, R18E. (Order 54-80). Amendment to Orders 17-67, 23-68 and 10-70 to allow an additional well to the Eagle formation within certain specified sections. (Order 26-82).	Excess produced water injected into Eagle formation. (Orders 19-A-73 46-A-75.) (Order 19-A-73) Amended by (Order 60-A-78.)
(Shut-in)	44			

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
TIGER RIDGE, NORTH Eagle (U. Cret.)	1	160-acre spacing units; one well per horizon per spacing unit from the Virgelle formation to the surface. Well to be no closer than 990' to the section line nor closer than 660' to the interior quarter section line. (Order 80-79).	None
TIMBER CREEK Sunburst (L. Cret.) (Shut-in)	1	Statewide.	None
TIPPY BUTTES Tyler (Penn.)	1	Statewide.	Water injection into lower Tyler formation (Order 57-82.)
TOLUCA	0	160-acre spacing units all formations from surface down to and including Frontier with permitted wells no closer than 660' to spacing unit boundaries. (Order 28-83).	None
TRAIL CREEK Sunburst (L. Cret.) Gas Bow Island (L. Cret.)	2 6	One well per 320-acres consisting of S 1/2 and N 1/2 of each governmental section but not closer than 990' from spacing boundary. (Orders 33-70, 28-76). Field enlargements. (Order 135-80).	None
TULE CREEK Nisku (Dev.)	5	160-acre spacing units with permitted well anywhere within 1320' square in center of each unit. (Orders 26-62, 6-65, 11-67, 5-77).	Produced water injected into Dakota and Judith River formations. (Orders 12-66, 24-67, 8-A-76, 134-A-81.) Produced water disposed into Dakota formation (Order 38-A-82.)
TULE CREEK, EAST Nisku (Dev.)	2	160-acre spacing units with permitted well anywhere within 1320' square in center of each unit. (Orders 40-64, 6-65).	Water injected into Judith River formation. (Order 13-68.) Water injected into Nisku formation. (Order 28-A-79.)
TULE CREEK, SOUTH Dakota	2	160-acre spacing units with permitted well anywhere within a 1320' square in center of each unit. (Orders 34-64, 6-65).	Authority given to dispose of produced water into Dakota. (Order 44-64.) Into Judith River formation. (Order 29-67.)
TWO FORKS Judith River (U. Cret.) Gas (Shut-in)	1 1	Statewide.	None
TWO MEDICINE CREEK Sun River (Miss.)	1	Statewide.	Produced water disposed into Cut Bank formation (Order 89-A-80.)
TWO WATERS Red River (Ord.) Bakken	1 1	Statewide.	None
UTOPIA, GAS Sawtooth (Jur.) Bow Island	1 4	640-acre spacing units; well location may be anywhere within the unit but no closer than 990' to any governmental section line. (Order 13-80).	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal	
UTOPIA SWIFT Swift (U. Jur.)	Oil	26	40-acre spacing units; location to be in center of quarter-quarter section with no more than 100' topographic tolerance. (Order 9-78). Order 9-78 amended. Spacing units shall consist of 1 well per quarter quarter section no closer than 330' from the section boundary. (Order 96-81).	None
VANDALIA Bowdoin, Greenhorn, Phillips (L. Colo.)		8	160-acre spacing units; where discrete gas formations (Bowdoin, Greenhorn and Phillips) exist a well may be drilled to each discrete formation and to be located no closer than 660' to the unit boundaries. (Order 61-82).	None
VAUX Red River (Ord.) Madison Interlake (Sil.)		7 14 1	Statewide. Single spacing unit with commingling approved for Madison Group. (Order 63-83).	Produced water injected into the Dakota formation. (Order 44-A-79.) and (Order 109-A-82.)
VIDA Interlake (Sil.)		1	160-acre spacing units with permitted well anywhere within an 840' square in center of each unit. (Order 39-63). Field area reduction. (Order 79-76).	Water injected into Lakota formation (Order 14-68.)
VIKING Dawson Bay (Dev.) (Shut-in) Winnipegosis		1	Statewide. (Delineated and spaced by Order 50-77; vacated by Order 8-84).	None
VOLT Nisku (Dev.) Madison		7 1	160-acre spacing units with permitted well anywhere within a 1320' square in center of each unit. (Orders 27-64, 6-65, 32-65). Statewide.	Excess produced water is disposed into Judith River. (Orders 3-65, 37-A-74.)
WAGON BOX Tyler (Penn.)		2	Statewide.	None
WAGON TRAIL Red River		1	Statewide. Single 320-acre spacing unit. (Order 2-83).	None
WAKEA Red River (Ord.)		3	Two 320-acre spacing units. (Order 84-83). Field enlarged. (Order 34-84).	None
WEED CREEK Amsden (Penn.)		2	Statewide.	None
WELDON Kibby (Miss.)	(Shut-in)	1 2	80-acre spacing unit; each quarter section divided into two separate units running in either a north-south or east-west direction; well location in center of NE 1/4 and SW 1/4 of quarter section with 200' topographic tolerance. (Order 9-65).	Excess produced water is disposed into the Dakota, Lakota, Morrison, Charles, and Kibby formation (Orders 31-65, 47-65, 37-66, 16-67, 51-A-81, 118-A-81, 128-A-81.)

Field, Formation, Age		No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
WEST BUTTE				
Sunburst (L. Cret.)	Oil	4	Statewide, except W 1/2 Section 16 is considered a single spacing unit. Sawtooth-Madison gas commingled, unitized. (Order 5-72). No well closer than 330' from unit boundary.	None
Bow Island (L. Cret.)	Gas	1		
WEST BUTTE SHALLOW GAS				
Bow Island (L. Cret.)		2	160-acre spacing units; with one well to be permitted to produce from each individual gas producing formation above the top of the Kootenai to the surface within each 160-acre spacing unit. Well locations to be anywhere within the spacing unit but not closer than 990' from the spacing unit boundaries. (Order 39-77).	None
WHITEWATER, EAST				
Phillips		5	640-acre spacing units with 2 wells allowed per formation to be located anywhere within the spacing unit but not closer than 990' to spacing unit boundary. (Order 100-83).	None
	(Shut-in)	1		
WHITLASH				
Bow Island	Oil	4	Gas: 300' from legal subdivision line and 2400' between wells, 75' topographic tolerance. Oil: 330' from legal subdivision line and 650' between wells; 5-spot location at center of 40-acre tract permitted; 75' topographic tolerance. (Orders 16-54, 27-70). Order 16-54 amended to include S 1/2 of Section 30, T37N, R4E. SW 1/4 of 30 is 1 spacing unit, SE 1/4 is the other. Well location no closer than 990' from spacing unit boundary. (Order 45-81).	None
	Gas	18		
Madison	Gas	2		
Swift	Oil	73		
	Gas	6		
Sunburst	Oil	1		
	Gas	1		
	(Shut-in)	13		
WHITLASH, WEST				
Sunburst, Swift			Gas: 160-acre spacing units consisting of quarter sections; well location anywhere within a 660' square in center of spacing unit. Oil: 330' from legal subdivision line, 650' between wells in same reservoir on same lease; 5-spot location permitted. (Orders 61-62, 22-65 as amended). Order 61-62 amended by Order 48-77. Field extension. (Order 18-79).	None
(Cret.) (Jur.)	Gas	6		
	(Shut-in)	4		
	Oil	6		
Bow Island	Gas	1		
WILLIAMS				
Bow Island (L. Cret.)	Gas	19	640-acre spacing unit; well to be located no closer than 990' to exterior boundary for all formations above the Kootenai. (Order 49-79). Amendment enlarging field boundary. (Order 102-79, 11-83).	None
WILLOW CREEK, NORTH				
Tyler (Penn.)	Oil	3	Statewide.	Pilotflood. (Order 19-72.)
WILLOW RIDGE				
Bow Island (L. Cret.)	Gas	13	640-acre spacing units; location to be no closer than 990' to unit boundary for gas production from all formations to the top of the Kootenai. (Order 29-78). 40-acre spacing units with permitted 5 wells; well may be located in the center of each 10 acre quarter, quarter, quarter section and one in the center of each 40-acre subdivision with a 75' topographic tolerance allowed. (Order 30-78).	None
	(Shut-in)	3		
Burwash (Cret.)	Oil	4		
Swift, Sunburst	Gas	2		
Dakota	Gas	1		
WILLOW RIDGE, SOUTH				
Sunburst (L. Cret.)	Oil	1	Statewide.	None

Field, Formation, Age	No. Prod. Wells	Spacing Regulations, Field Rules, and Remarks	Secondary or Water Disposal
WILLS CREEK, SOUTH Siluro (Ord.)	3	160-acre spacing units. Well location in center of SE 1/4 of each unit with 175' topographic tolerance. (Orders 5-64, 30-66).	Waterflood initiated 12-1-73. (Order 23-73.)
WINDMILL Duperow (Dev.) Gas	1	Statewide.	None
WINNETT JUNCTION Tyler (Penn.)	4	20-acre spacing units. Units to be designated as W 1/2 and E 1/2 of quarter-quarter section, no closer than 120' to the boundary of a spacing unit. (Order 57-76). Certain lands bound by Order 57-76 vacated by Order 41-77.	A waterflood operation commenced October 1, 1977 into Tyler formation. (Order 41-77.)
WISHBONE Swift (U. Jur.)	1	Single spacing unit. (Order 87-81).	None
WOLF SPRINGS Amsden (Penn.) (Shut-in)	5 1	80-acre spacing units consisting of N 1/2 and S 1/2 of each quarter section. Well location in center of NW 1/4 and SE 1/4 of each quarter section with 75' topographic tolerance. (Orders 4-56, 9-59). Field area reduction. (Order 92-76).	None
WOLF SPRINGS, SOUTH Amsden (Penn.)	4	80-acre spacing units comprised of W 1/2 or E 1/2 of quarter section; wells located center of NW 1/4 or SE 1/4 of quarter section with 150' topographic tolerance. (Order 57-84).	None
WOODROW Siluro (Ord.) Red River (Ord.) Charles	(Shut-in) 2 1 1	80-acre spacing units consisting of any two adjacent quarter-quarter sections; well locations in center of NE 1/4 and SW 1/4 of each quarter section with 200' topographic tolerance. (Order 47-62).	Produced water injected into Dakota. (Order 48-62.)
WRANGLER Red River (Ord.)	2	Statewide	None
WRANGLER, NORTH Red River (Ord.)	1	Statewide.	None
WRIGHT CREEK Muddy (L. Cret.) (Shut-in)	3 4	80-acre spacing consisting of N 1/2 and S 1/2 of quarter section with locations in NW 1/4 and SE 1/4 of each quarter section with 200' tolerance. Field area reduction. (Order 69-76).	Excess produced water is disposed of into the Muddy formation. Order 8-A-77.)
YATES Red River (Ord.)	2	320-acre spacing units; well locations as specified for the Duperow and Red River formations that may be dually completed. (Order 92-81).	None



LIBBY-KOOTENAI

GLACIER-FLATHEAD

BLACKFEET-AUGUSTA

SWEETGRASS-HIGHWOOD

BEARPAW-JUDITH

BOWDOIN-CATCREEK

FORT PECK-WELDON

POPLAR-GLENDIVE

- GAS PLANTS
- 1. CUT BANK ABSORPTION
 - 2. GYPSY HIGHVIEW GATHERING SYS.
 - 3. FAIRVIEW
 - 4. BOB RHODES
 - 5. STATE LINE NATURAL GAS PROC.
 - 6. PERRY-PETROLANE
 - 7. 50 PINE
 - 8. CASIN CREEK
 - 9. BIG HORN FRACTIONATION
 - 10. DRY CREEK ABSORPTION

EXPLANATION

- OIL FIELD
- GAS FIELD
- OIL PIPELINE
- GAS PIPELINE
- REFINERY
- GAS PLANT
- REFINED PRODUCTS PIPELINE
- BOUNDARY DIVIDING NORTHERN AND SOUTHERN DISTRICTS

- ★ Billings - Southern District & Technical Office
- ★ Shelby - Northern District Office
- ★ Helena - Administrative Office

REGIONAL MAPS
Scale - 1 inch = 2 miles
Posted Weekly
Contact: BOARD OF OIL AND GAS CONSERVATION
2535 St. John's Avenue Billings, Mont. 59102

MONTANA
OIL AND GAS FIELDS, PIPELINES AND REFINERIES
1983

BOARD OF OIL AND GAS CONSERVATION

STATE OF MONTANA SUMMARY OF PRODUCING OIL FIELDS—1984

LINE NO.	FIELD	PRODUCING FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	PORO-SITY (%)	% WATER	RECOVERY FACTOR %		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1984 PRODUCTION		CUMMULATIVE PRODUCTION 1-1-85 (M BBLs)	RESERVES (M BBLs)	LINE NO.
											PRIMARY	SECONDARY		(M BBLs)	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs./ ACRE	BBLs./ ACRE FT.	BBLs	BOPO			
1.	Antelope, North	Red River	Sheridan	1981	11,380	40	—	2	9	35	—	—	960	—	—	—	—	—	—	—	—	—	49	20	1.
2.	Anvil	Nisku	Roosevelt	1981	10,900	40	1.50	14	17	34	52	—	160	1,300	8,125	680	—	680	4,250	304	95,514	262	204	476	2.
3.	Anvil	Ratcliffe	Roosevelt	1982	8,990	—	—	—	—	—	—	—	160	—	—	—	—	—	—	—	12,260	34	25	16	3.
4.	Anvil	Red River	Roosevelt	1978	12,600	47	1.63	26	14	32	9	—	2,560	30,159	11,780	2,710	—	2,710	1,059	41	231,613	635	1,516	1,194	4.
5.	Bainville	Gunton, Red River	Roosevelt	1969	12,402	44	—	—	—	—	—	—	960	—	—	—	—	—	—	—	34,852	95	53	138	5.
6.	Bainville, North	Ratcliffe	Roosevelt	1980	8,800	30	—	13	—	—	—	—	160	—	—	—	—	—	—	—	6,528	18	32	84	6.
7.	Bainville, North	Red River	Roosevelt	1979	12,400	43	1.55	40	9	32	2	—	2,240	27,446	12,252	590	—	590	263	7	53,144	146	535	55	7.
8.	Bainville, North	Winnipegosis	Roosevelt	1979	11,400	44	1.60	35	7	20	6	—	960	9,123	9,503	580	—	580	604	17	96,343	264	222	358	8.
9.	Bainville, West	Madison	Roosevelt	1978	9,500	—	—	—	—	—	—	—	160	—	—	—	—	—	—	—	3,351	9	3	5	9.
10.	Bainville, West	Red River	Roosevelt	1978	8,500	34	1.50	12	6	45	9	—	960	1,966	2,047	170	—	170	177	15	13,740	38	153	17	10.
11.	Bainville II	Red River	Roosevelt	1981	12,700	42	1.20	40	10	35	9	—	640	10,758	16,809	920	—	920	1,438	36	45,255	124	115	805	11.
12.	Bears Oen	Swift	Liberty	1924	2,300	39	1.08	20	9	35	21	—	280	2,353	8,403	500	—	500	1,786	89	6,581	18	485	15	12.
13.	Bell Creek	Muddy	Powder River	1967	4,400	36	1.11	10	26	23	60	28	8,240	115,297	13,992	69,430	67,650	137,080	16,636	1,664	2,318,527	6,352	124,639	12,441	13.
14.	Benrud	Nisku	Roosevelt	1983	7,864	40	—	—	—	—	—	—	160	—	—	—	—	—	—	—	21,269	58	30	64	14.
15.	Benrud, East	Nisku	Roosevelt	1962	7,500	46	1.37	22	15	30	44	—	480	6,279	13,081	2,770	—	2,770	5,771	262	40,448	111	2,591	179	15.
16.	Benrud, Northeast	Nisku	Roosevelt	1964	7,400	46	1.40	23	16	30	42	—	160	2,284	14,275	960	—	960	6,000	261	3,046	8	940	20	16.
17.	Big Gully, North	Tyler	Musselshell	1977	3,900	—	—	6	—	—	—	—	40	—	—	—	—	—	—	—	2,536	7	21	5	17.
18.	Big Muddy Creek	Mission Canyon	Roosevelt	1981	8,500	44	—	14	—	—	—	—	480	—	—	—	—	—	—	—	9,320	26	34	11	18.
19.	Big Muddy Creek	Red River	Roosevelt	1975	11,900	48	1.72	11	14	36	20	—	1,280	5,690	4,445	1,150	—	1,150	898	82	35,179	96	1,085	65	19.
20.	Big Wall	Amdsen	Musselshell	1953	2,500	19	1.01	17	16	35	24	—	280	3,802	13,578	900	—	900	3,214	189	5,912	16	886	14	20.
21.	Big Wall	Tyler	Musselshell	1948	3,000	31	1.02	22	17	40	31	1	1,220	20,822	17,067	6,550	230	6,780	5,557	253	59,238	162	6,426	354	21.
22.	Black Diamond	Red River	Wibaux	1981	11,310	27	1.31	4	40	10	3	—	640	5,458	8,528	160	—	160	250	63	24,710	68	92	68	22.
23.	Blackfoot	Cut Bank, Greenhorn, Madison	Glacier	1957	3,500	30	1.11	15	15	35	11	22	400	4,089	10,222	450	1,100	1,550	3,875	258	40,008	110	1,296	254	23.
24.	Bloomfield	Dawson Bay	Dawson	1984	10,500	41	—	30	—	—	—	—	160	—	—	—	—	—	—	—	34,687	95	35	71	24.
25.	Bloomfield	Interlake	Dawson	1983	10,650	43	—	—	—	—	—	—	320	—	—	—	—	—	—	—	62,005	170	80	110	25.
26.	Blue Hill	Red River	Richland	1977	12,600	48	1.35	32	10	60	4	—	640	4,708	7,356	170	—	170	266	8	6,151	17	155	15	26.
27.	Blue Mountain	Red River	Wibaux	1984	11,949	31	—	40	—	—	—	—	320	—	—	—	—	—	—	—	18,751	51	19	40	27.
28.	Border	Sunburst	Toole	1929	2,400	31	1.08	22	15	30	19	2	440	7,301	16,593	1,390	120	1,510	3,432	156	22,380	61	1,378	132	28.
29.	Bowes	Sawtooth	Blaine	1949	3,300	19	1.02	32	12	31	14	—	3,760	75,774	20,152	10,950	—	10,950	2,912	91	144,252	395	9,128	1,822	29.
30.	Box Canyon	Red River	Richland	1980	11,800	46	—	11	—	—	—	—	960	—	—	—	—	—	—	—	28,721	79	144	67	30.
31.	Bradley	Madison	Glacier	1959	3,500	26	1.25	6	11	49	50	—	240	501	2,087	250	—	250	1,042	174	3,674	10	241	9	31.
32.	Brady	Sunburst	Pondera	1942	1,500	34	1.01	10	12	30	6	—	400	2,581	6,452	150	—	150	375	38	11,683	32	137	13	32.
33.	Breed Creek	Tyler	Rosebud	1976	4,900	32	1.15	20	15	37	22	—	520	6,630	12,750	1,460	—	1,460	2,808	140	127,924	350	785	675	33.
34.	Brorson	Mad																							

STATE OF MONTANA SUMMARY OF PRODUCING OIL FIELDS—1984

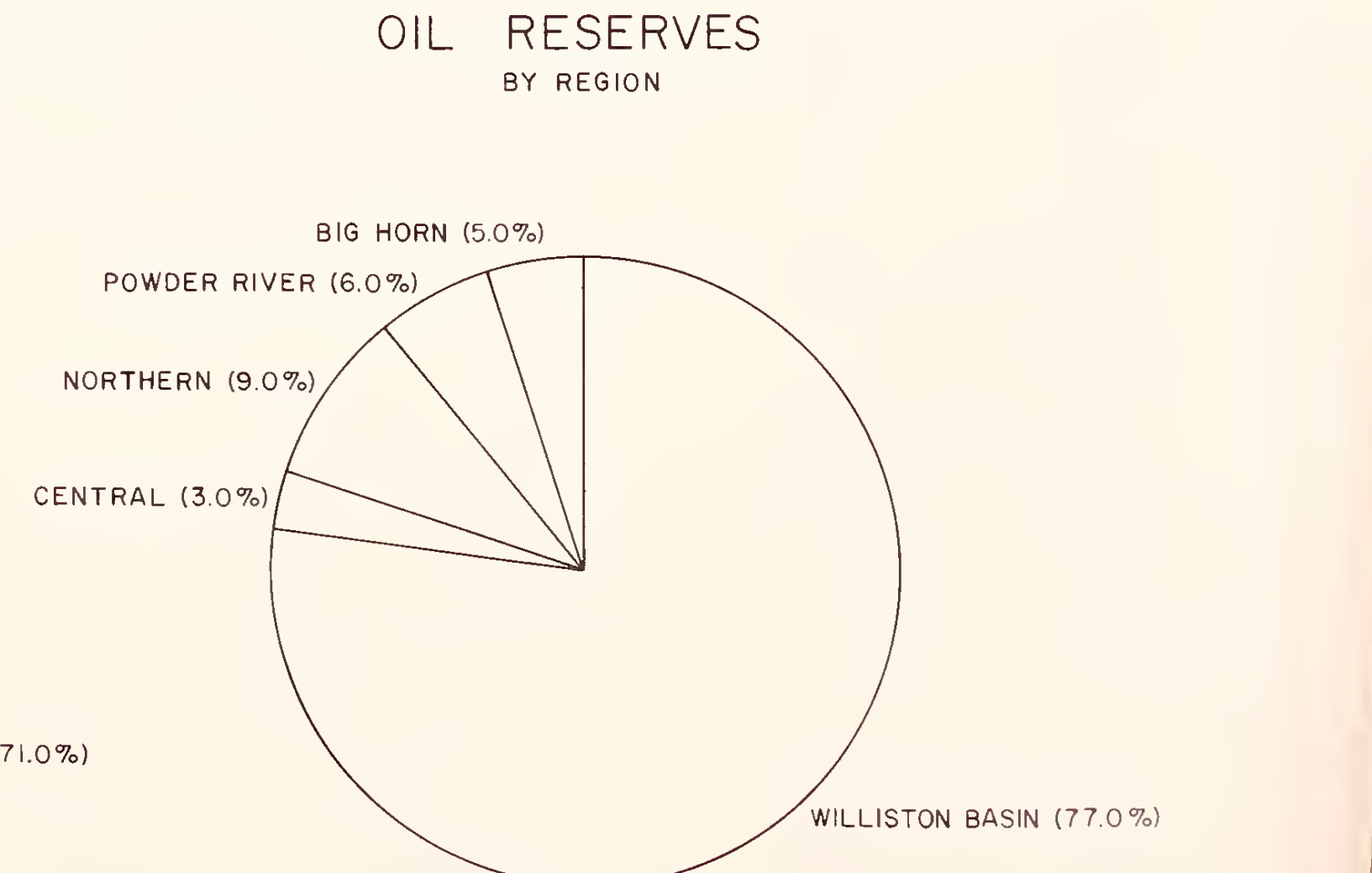
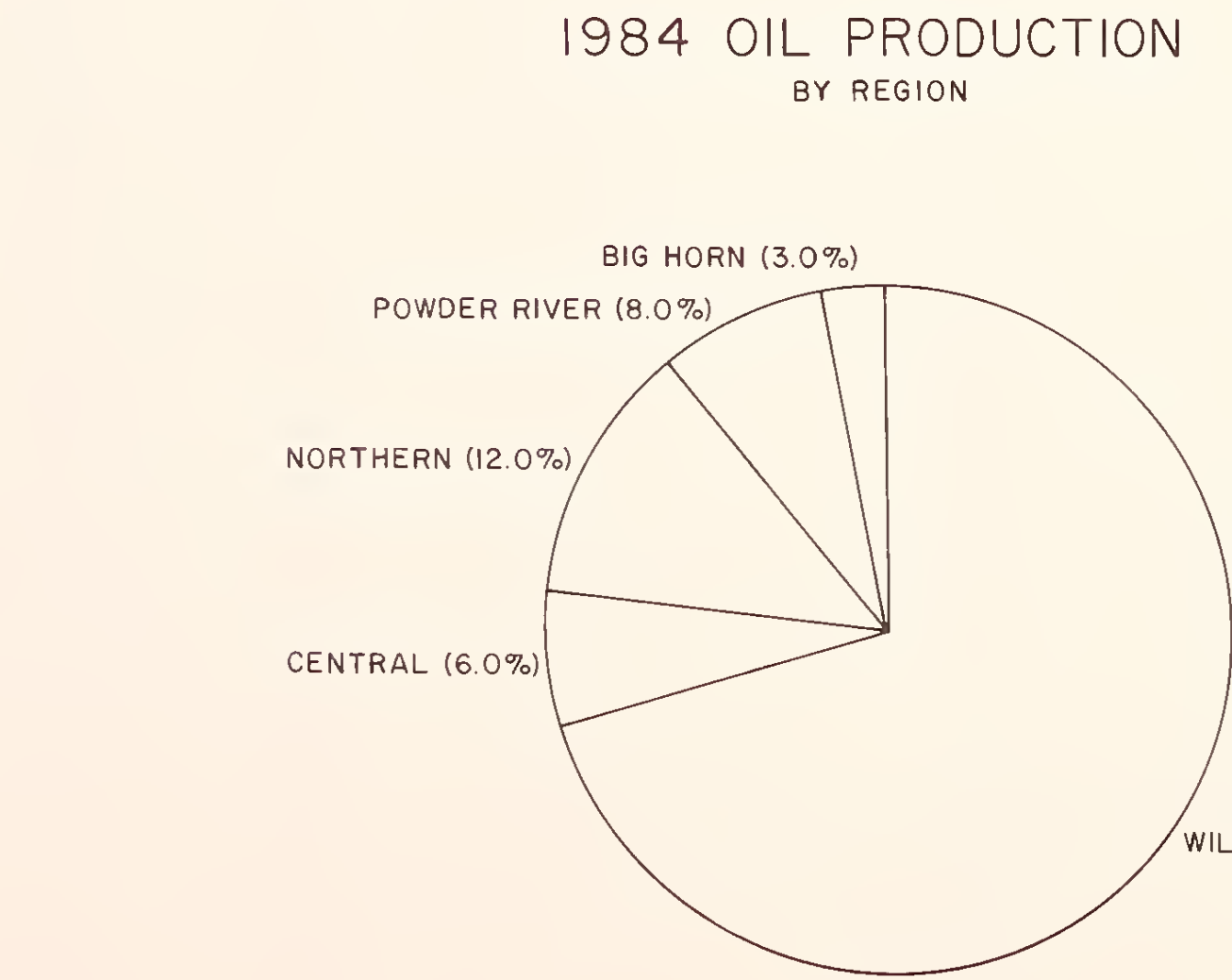
LINE NO.	FIELD	PRODUCING FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	PORO-SITY (%)	% WATER	RECOVERY FACTOR %		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1984 PRODUCTION		CUMMULATIVE PRODUCTION 1-1-85 (M BBLs)	RESERVES (M BBLs)	LINE NO.
											PRIMARY	SECONDARY		(M BBLs)	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs./ ACRE	BBLs./ ACRE FT.	BBLs	BOPO			
81.	Fairview	Red River	Richland	1965	12,700	47	1.70	35	11	28	19	—	4,160	52,624	12,650	9,820	—	9,820	2,361	67	262,783	720	7,103	2,717	81.
82.	Fairview, East	Red River	Richland	1981	12,800	48	1.50	24	13	32	6	—	640	7,023	10,973	420	—	420	656	27	40,810	112	292	128	82.
83.	Fairview, West	Ratcliffe	Richland	1980	9,200	37	—	60	3	—	—	—	320	—	—	—	—	—	—	—	29,558	81	93	112	83.
84.	Fertile Prairie	Red River	Fallon	1952	9,300	29	1.20	6	14	27	25	—	800	3,171	3,963	790	—	790	988	165	31,414	86	571	219	84.
85.	Fishhook	Red River	Sheridan	1980	11,200	41	1.28	10	10	31	19	—	1,280	5,353	4,182	1,000	—	1,000	781	78	149,898	411	562	438	85.
86.	Flat Coulee	Swift	Liberty	1933	2,900	37	1.10	18	21	35	26	4	1,320	22,874	17,328	5,990	770	6,760	5,121	285	192,104	526	4,119	2,641	86.
87.	Flat Lake	Nisku	Sheridan	1982	8,042	—	—	—	—	—	—	—	320	—	—	—	—	—	—	—	4,902	13	11	12	87.
88.	Flat Lake	Ratcliffe	Sheridan	1964	6,500	33	1.26	14	15	45	5	21	9,600	68,270	7,111	3,470	13,180	16,650	1,734	124	415,005	1,137	13,674	2,976	88.
89.	Flat Lake, South	Ratcliffe	Sheridan	1966	6,500	32	1.26	9	12	45	30	—	1,120	4,096	3,657	1,230	—	1,230	1,098	122	45,015	123	1,047	183	89.
90.	Flaxville	Madison	Daniels	1982	—	—	—	—	—	—	—	—	480	—	—	—	—	—	—	—	10,704	29	42	30	90.
91.	Fort Gilbert	Madison	Richland	1981	9,200	34	—	358	—	—	—	—	2,240	—	—	—	—	—	—	—	70,648	194	422	124	91.
92.	Fort Gilbert	Red River	Richland	1970	12,500	48	1.89	42	12	20	7	—	1,280	21,185	16,550	1,390	—	1,390	1,086	26	24,219	66	1,260	130	92.
93.	Four Mile Creek	Red River	Richland	1975	12,500	47	1.50	35	15	35	7	—	320	5,648	17,649	400	—	400	1,250	36	18,428	50	310	90	93.
94.	Four Mile Creek, West	Red River	Richland	1976	12,500	45	1.30	15	13	40	5	—	640	4,469	6,982	230	—	230	359	24	15,263	42	221	9	94.
95.	Fox Creek	Mission Canyon	Richland	1978	8,900	29	1.20	71	3	30	4	—	160	1,542	9,637	60	—	60	375	5	—	—	23	37	95.
96.	Frannie	Tensleep	Carbon	1929	2,700	27	1.02	29	19	16	30	—	80	2,816	35,199	840	—	840	10,500	362	7,204	20	746	94	96.
97.	Fred & George	Sunburst	Toole	1963	2,600	39	1.20	31	27	30	15	14	1,480	56,060	37,878	8,440	4,800	13,240	8,946	289	144,231	395	12,552	688	97.
98.	Frog Coulee	Red River	Richland	1979	11,000	49	1.42	15	18	35	5	—	320	3,068	9,587	140	—	140	438	29	10,655	29	123	17	98.
99.	Froid, South	Red River	Roosevelt	1970	12,100	48	1.55	12	17	25	8	—	320	2,451	7,659	200	—	200	625	52	5,377	15	192	8	99.
100.	Gas City	Red River	Dawson	1955	8,900	38	1.28	25	12	35	25	5	2,800	33,093	11,818	8,430	1,760	10,190	3,639	146	117,542	322	9,536	654	100.
101.	Girard	Red River	Richland	1966	11,839	42	—	—	—	—	—	—	320	—	—	—	—	—	—	—	7,669	21	228	12	101.
102.	Glendive	Stoney Mountain	Dawson	1952	8,900	38	1.24	147	8	35	13	—	2,240	107,126	47,824	13,730	—	13,730	6,129	42	148,624	407	11917	1,813	102.
103.	Goose Lake	Ratcliffe, Red River	Sheridan	1962	7,000	34	1.20	40	16	55	5	3	6,880	128,100	18,619	6,040	3,580	9,620	1,398	35	188,840	517	8,088	1,532	103.
104.	Goose Lake, West	Red River	Sheridan	1981	11,500	39	—	29	—	—	—	—	960	—	—	—	—	—	—	—	68,989	189	261	197	104.
105.	Gossett	Mission Canyon	Richland	1979	9,550	31	—	—	—	—	—	—	320	—	—	—	—	—	—	—	10,616	29	32	32	105.
106.	Gossett	Siluro-Ord	Richland	1983	12,331	—	—	11	—	—	—	—	640	—	—	—	—	—	—	—	26,527	73	27	136	106.
107.	Grabben Coulee	Madison	Glacier	1961	2,900	34	1.10	15	12	30	6	—	3,480	30,925	8,886	1,930	—	1,930	555	37	92,864	254	1,701	229	107.
108.	Grandview, East	Swift	Liberty	1978	2,500	—	—	—	—	—	—	—	160	—	—	—	—	—	—	—	4,799	13	29	19	108.
109.	Green Coulee	Red River	Sheridan	1981	11,100	—	—	14	—	—	—	—	640	—	—	—	—	—	—	—	16,962	46	84	51	109.
110.	Gumbo Ridge	Tyler	Rosebud	1975	4,900	32	1.10	16	13	35	21	7	240	2,288	9,533	490	190	680	2,833	177	34,899	96	532	148	110.
111.	Gunsight	Madison	Roosevelt	1980	9,550	37	—	—	—	—	—	—	640	—	—	—	—	—	—	—	40,029	110	84	126	111.
112.	Gypsy Basin	Sawtooth	Teton, Pondera	1979	3,250	36	—	10	—	—	—	—	640	—	—	—	—	—	—	—	23,055	63	392	72	112.
113.	Hardscrabble Creek	Red River	Richland	1981	12,550	43	—	—	—	—	—	—	640	—	—	—	—	—	—	—	15,720	43	50	12	113.
114.	Hay Creek	Mission Canyon	Richland	1969	9,600	39	1.15	40	5	—	6	—	320	4,117											

STATE OF MONTANA SUMMARY OF PRODUCING OIL FIELDS—1984

LINE NO.	FIELD	PRODUCING FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	PORO-SITY (%)	% WATER	RECOVERY FACTOR %		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1984 PRODUCTION		CUMMULATIVE PRODUCTION 1-1-85 (M BBLs)	RESERVES (M BBLs)	LINE NO.
											PRIMARY	SECONDARY		(M BBLs)	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs./ ACRE	BBLs./ ACRE FT.	BBLs	BOPO			
161.	Neisser Creek	Red River	Sheridan	1982	10,900	46	2.00	15	17	21	6	—	320	2,501	7,815	150	—	150	469	31	38,169	105	78	72	161.
162.	Nohly	Red River	Richland	1972	12,900	46	1.43	27	10	40	22	—	960	8,437	8,788	1,870	—	1,870	1,948	72	86,026	236	1,211	659	162.
163.	Nohly	Ratcliffe	Richland	1984	9,444	30	—	18	—	—	—	—	160	—	—	—	—	—	—	—	1,889	5	2	60	163.
164.	Nohly, South	Red River	Richland	1983	12,981	45	—	18	—	—	—	—	320	—	—	—	—	—	—	—	27,141	74	27	57	164.
165.	North Fork	Madison	Richland	1977	9,500	38	—	—	—	—	—	—	800	—	—	—	—	—	—	—	24,079	66	173	69	165.
166.	Ollie	Red River	Fallon	1980	10,200	36	—	56	—	—	—	—	160	—	—	—	—	—	—	—	13,106	36	79	46	166.
167.	Otis Creek & South	Red River	Richland	1970	12,700	48	1.76	23	12	35	9	—	1,600	12,653	7,908	1,110	—	1,110	694	30	61,422	168	860	250	167.
168.	Outlook	Duperow	Sheridan	1964	8,200	39	1.50	15	10	25	40	—	640	3,724	5,818	1,500	—	1,500	2,344	156	25,660	70	1,495	5	168.
169.	Outlook	Nisku	Sheridan	1958	9,170	40	—	20	—	—	—	—	160	—	—	—	—	—	—	—	4,498	12	4	10	169.
170.	Outlook	Red River	Sheridan	1956	9,000	38	1.12	20	8	30	82	—	960	7,448	7,758	6,100	—	6,100	6,354	318	48,446	133	5,745	355	170.
171.	Outlook	Winnipegosis	Sheridan	1971	9,000	39	1.12	18	8	30	24	—	480	3,351	6,981	820	—	820	1,708	95	23,306	64	654	166	171.
172.	Outlook, South	Winnipegosis	Sheridan	1957	9,100	39	1.12	18	8	30	21	—	480	3,351	6,981	700	—	700	1,458	81	5,005	14	681	19	172.
173.	Outlook, West	Winnipegosis	Sheridan	1958	9,100	39	1.12	16	8	30	25	—	480	2,979	6,206	730	—	730	1,521	95	23,038	63	620	110	173.
174.	Oxbow	Red River	Roosevelt	1978	12,600	47	1.50	18	12	45	21	—	320	1,966	6,143	410	—	410	1,281	71	35,868	98	238	172	174.
175.	Palomino	Nisku	Roosevelt	1980	7,500	48	1.15	39	16	20	9	—	800	26,941	33,676	2,340	—	2,340	2,925	75	161,616	443	746	1,594	175.
176.	Pelican	Red River	Sheridan	1979	11,400	47	1.30	19	6	26	17	—	320	1,611	5,034	280	—	280	875	46	17,245	47	124	156	176.
177.	Pennel	Mis Cany	Fallon	1955	7,000	31	1.10	38	3	30	58	9	27,200	153,084	5,628	88,040	25,600	113,640	4,178	110	3,431,827	9,402	59,349	54,291	177.
178.	Pete Creek	Sunburst	Toole	1977	2,700	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—	1,507	4	15	8	178.
179.	Pine	Red River, Madison	Prairie	1952	8,400	34	1.17	32	12	30	21	23	16,480	293,731	17,823	62,820	54,000	116,820	7,089	222	1,769,267	4,847	99,224	17,596	179.
180.	Pondera	Sun River	Pondera	1927	2,100	34	1.20	15	16	31	17	—	13,720	146,887	10,706	25,550	—	25,550	1,862	124	418,614	1,147	23,359	2,191	180.
181.	Poplar, East	Charles	Roosevelt	1952	5,500	40	1.10	25	11	30	19	—	18,070	245,327	13,576	45,550	—	45,550	2,521	101	212,503	582	43,902	1,648	181.
182.	Poplar, East	Heath	Roosevelt	1969	4,900	38	1.10	8	11	50	26	—	480	1,490	3,104	390	—	390	813	102	6,598	18	264	126	182.
183.	Poplar, Northwest	Madison	Roosevelt	1952	6,300	40	1.10	16	10	45	13	—	5,280	32,770	6,206	4,100	—	4,100	777	49	320,037	877	1,967	2,133	183.
184.	Prairie Elk	Charles	McCone	1965	6,100	32	1.00	5	12	35	18	—	320	968	3,024	170	—	170	531	106	5,580	15	73	97	184.
185.	Prichard Creek	Sunburst	Toole	1970	2,700	—	—	—	—	—	—	—	200	—	—	—	—	—	—	—	13,984	38	146	6	185.
186.	Putnam	Interlake	Richland	1969	11,900	41	1.75	16	9	30	20	—	320	1,430	4,468	280	—	280	875	55	7,210	20	259	21	186.
187.	Putnam	Madison	Richland	1978	9,500	34	1.42	92	6	35	2	—	800	15,682	19,602	370	—	370	463	5	43,181	118	202	168	187.
188.	Putnam	Red River	Richland	1969	11,900	41	1.75	16	9	30	17	—	4,160	18,589	4,468	3,250	—	3,250	781	49	142,342	390	2,527	723	188.
189.	Rabbit Hills	Sawtooth	Blaine	1972	4,000	21	1.15	12	18	16	11	—	800	9,792	12,240	1,070	—	1,070	1,338	112	65,902	181	732	338	189.
190.	Ragged Point	Tyler	Musselshell	1956	3,600	32	1.11	13	14	32	28	10	1,440	12,456	8,650	3,430	1,210	4,640	3,222	248	138,770	380	3,445	1,195	190.
191.	Rainbow	Red River	Richland	1982	12,500	46	2.20	28	14	45	5	—	320	2,433	7,603	110	—	110	344	12	16,462	45	78	32	191.
192.	Rattler Butte	Tyler	Rosebud	1975	5,300	35	1.10	25	12	60	42	—	240	2,031	8,462	860	—	860	3,583	143	98,692	270	717		

STATE OF MONTANA SUMMARY OF PRODUCING OIL FIELDS—1984

LINE NO.	FIELD	PRODUCING FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	PDRO-SITY (%)	% WATER	RECOVERY FACTOR %		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1984 PRODUCTION		CUMMULATIVE PRODUCTION 1-1-85 (M BBLs)	RESERVES (M BBLs)	LINE NO.
											PRIMARY	SECONDARY		(M BBLs)	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs./ ACRE	BBLs./ ACRE FT.	BBLs	BOPD			
241.	Tippy Butte	Tyler	Musselshell	1980	5,000	32	—	38	—	—	—	—	40	—	—	—	—	—	—	—	19,090	52	104	63	241.
242.	Tule Creek	Nisku	Roosevelt	1960	7,500	46	1.41	25	15	30	45	—	1,280	18,487	14,442	8,390	—	8,390	6,555	262	102,345	280	7,779	611	242.
243.	Tule Creek, East	Nisku	Roosevelt	1964	7,500	43	1.91	30	18	30	41	—	320	4,913	15,353	2,010	—	2,010	6,281	209	6,864	19	1,990	20	243.
244.	Two Waters	Red River	Richland	1980	11,500	43	1.40	16	8	30	6	—	320	1,589	4,965	100	—	100	313	20	8,913	24	90	10	244.
245.	Utopia	Swift	Liberty	1977	2,300	33	1.15	17	16	40	6	—	1,000	11,010	11,010	660	—	660	660	39	53,303	146	381	279	245.
246.	Vaux	Interlake	Richland	1981	12,100	45	—	—	—	25	—	—	640	—	—	—	—	—	—	—	42,234	116	305	106	246.
247.	Vaux	Mission Canyon	Richland	1977	8,800	34	1.20	40	4	43	10	—	2,080	12,264	5,896	1,190	—	1,190	572	14	108,419	297	484	706	247.
248.	Vaux	Red River	Richland	1976	12,400	48	1.60	24	14	45	9	—	2,240	20,071	8,960	1,840	—	1,840	821	34	159,631	437	1,275	565	248.
249.	Volt	Charles	Roosevelt	1965	6,000	—	—	—	—	67	—	—	40	—	—	—	—	—	—	—	3,244	9	9	9	249.
250.	Volt	Nisku	Roosevelt	1964	7,300	47	1.40	14	20	30	37	—	800	8,689	10,861	3,180	—	3,180	3,975	284	74,333	204	2,643	537	250.
251.	Wagon Box	Tyler	Musselshell	1974	2,941	28	—	—	—	1	—	—	80	—	—	—	—	—	—	—	3,962	11	30	7	251.
252.	Wakea	Red River	Sheridan	1983	11,133	—	—	—	—	—	—	—	960	—	—	—	—	—	—	—	112,441	308	138	695	252.
253.	Weldon	Kibby	McCone	1964	5,900	39	1.01	14	16	35	41	—	1,560	17,447	11,183	7,080	—	7,080	4,538	324	9,259	25	7,043	37	253.
254.	West Butte	Sunburst	Toole	1968	2,300	40	1.10	10	24	23	13	—	160	2,085	13,031	280	—	280	1,750	175	4,700	13	267	13	254.
255.	Whitlash	Sunburst	Liberty	1927	2,600	38	1.13	15	16	20	12	—	3,120	41,127	13,181	5,140	—	5,140	1,647	110	90,454	248	4,950	190	255.
256.	Whitlash, West	Sunburst	Toole	1980	2,906	—	—	—	—	—	—	—	200	—	—	—	—	—	—	—	9,831	27	91	13	256.
257.	Willow Creek, North	Tyler	Musselshell	1970	4,000	32	1.20	12	13	54	43	—	160	742	4,637	320	—	320	2,000	167	6,322	17	306	14	257.
258.	Willow Ridge	Burwash	Toole	1975	1,400	45	—	—	—	—	—	—	160	—	—	—	—	—	—	—	3,285	9	33	8	258.
259.	Wills Creek, South	Red River	Fallon	1964	8,700	33	1.20	12	18	35	28	—	480	4,357	9,077	1,230	—	1,230	2,563	214	27,482	75	983	247	259.
260.	Winnett Junc	Tyler	Musselshell	1973	2,500	28	1.10	12	18	30	13	26	240	2,559	10,662	320	670	990	4,125	344	51,457	141	722	268	260.
261.	Wolf Springs	Amsden	Yellowstone	1955	6,200	30	1.07	11	6	23	61	—	2,080	7,664	3,684	4,640	—	4,640	2,231	203	11,117	30	4,618	22	261.
262.	Woodrow	Siluro-Ord	Dawson	1952	9,600	42	1.30	25	14	35	15	—	560	7,603	13,576	1,160	—	1,160	2,071	83	15,683	43	1,096	64	262.
263.	Wrangler	Red River	Sheridan	1979	11,200	30	1.00	6	10	—	18	—	640	2,979	4,654	540	—	540	844	141	50,784	139	261	279	263.
264.	Wrangler, North	Red River	Sheridan	1979	10,000	41	1.40	18	16	45	4	—	320	2,809	8,778	120	—	120	375	21	12,849	35	80	40	264.
265.	Wright Creek	Muddy	Powder River	1969	4,800	35	1.10	5	26	48	17	—	400	1,907	4,767	330	—	330	825	165	8,515	23	248	82	265.
266.	Yates	Red River	Wibaux	1982	11,245	32	—	—	—	—	—	—	320	—	—	—	—	—	—	—	4,911	13	9	5	266.
Miscellaneous Small Fields																					1,432,519	3,914			
Total																					30,079,819	82,185		236,280	



SHOWING PRODUCTIVE FORMATIONS IN MONTANA OIL AND GAS FIELDS *

● OIL ⚙️ GAS

[illegible]

*SOME FIELDS SHOWN ARE DEPLETED OR NO LONGER PRODUCTIVE

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